



TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR GIRLS, MULUGU

DEPARTMENT OF COMPUTER SCIENCE

ETURUNAGARAM MANDAL, MULUGU DISTRICT

Student
Study Projects
(2021-2023)

List of Student Study projects

| S.No. | Name of the Student & Group | Topic | Year |
|-------|--|--|----------------------------|
| 1 | A Sandhya (BSc MPCs II Year) – 643-21-4003 T Soumya (BSc MPCs II Year) – 643-21-4031 | “Normal Forms in DBMS” | 14 th June 2022 |
| 2 | B Laxmi (BSc MPCs II Year) – 643-22-4004 B Srilatha (BSc MPCs II Year) – 643-22-4005 K prasanna (BSc MPCs II Year) – 643-22-4012 | “Case Study on Search Engines” | 12 th Jan 2023 |
| 3 | S Navya (BCOM CA 1 st Year) – 643-24-2021 | “Mail Merge” in MS-Word | 14 th Sep 2023 |
| | CH Shalini, R nithyasri, K Nagasri, M Sindhu, N Akhila, CH Chandhini,, CH Sreeja, D Jeerthana, A Poojitha, A Tharuni from BCOM CA II Year | Study project on “Covid-19” | Oct. 2023 |
| 4 | B Anitha (MPCS II Year) – 643-23-4004 B Suma (MPCS II Year) – 643-23-4003 | Study Project on “Normal Forms in DBMS” | 3 rd Nov 2023 |
| 5 | V Ramya Sri(BCOM CA 1 st Year) – 643-24- 2023 | “MS-DOS Commands” | 6 th Nov 2023 |

Study Project

ON

Normal Forms in DBMS

Dr. Anand

June - 14 - 2022

Head
Department of Computer Science
TTWRDC (G) Mulugu-643

PCG
Principal

Department of Computer Science
at TTWRDC (G) Mulugu-643
Dist. Mulugu-643

by

T. Saranya

MPCS - II year II Sem

Objectives:

Storing the same information redundantly, that is, in more than one place within a database, can lead to several problems.

- * Redundant Storage :- Some information is stored repeatedly.
- * Update Anomalies :- If one copy of such repeated data is updated, an inconsistency is created unless all copies are similarly updated.
- * Insertion Anomalies :- It may not be possible to delete certain information, possible to store certain information unless some other, unrelated, information is stored as well.
- * Deletion Anomalies :- It may not be possible to delete certain information without losing some other, unrelated, information as well.

Normalization

Normalization is a process of correcting and evaluating table structures to minimize data redundancies and reducing data anomalies.

(or)

It is a step-by-step decomposition of complex records into simple records.

* Normalization follows series of stages called "normal-forms" like.

1. First Normal Form (1NF)
2. Second Normal Form (2NF)
3. Third Normal Form (3NF)
4. Boyce-Codd Normal Form (BCNF)
5. Fourth Normal Form (4NF)

* Normalization involve decomposition (division) of "tables with anomalies" in "smaller well structured tables".

Rules of Data Normalization :-

1. Eliminate Repeating Groups :- Make a separate table for each set of related attributes, and give each table a primary key.

2. Eliminate Redundant Data :- If an attribute depends on only part of multi-valued key, remove it to a separate table.

3. Eliminate columns Not Dependent on key :- If attributes do not contribute to a description of the key, remove them to a separate table.

4. Isolate Independent Multiple Relationships :- No table may contain two or more 1:m or m:n relationships that are not directly related.

5. Isolate Semantically Related Multiple Relationships :- There may be practical constraints on information that justify separating logically related many-to-many relationships.

Consider the following STUDENT table and see how the table is normalized from 1NF to 3NF.

| no | Sname | group | fee | Skills. |
|-----|-------|-------|--------|-------------------|
| 101 | Sai | MBA | 30,000 | C C++ Java. |

The above STUDENT table consists of multi-valued attributes (Skills), this can be removed in 1NF. It consists of Partial dependencies which are removed in 2NF and also it consists of Transitive dependencies which are removed in 3NF.

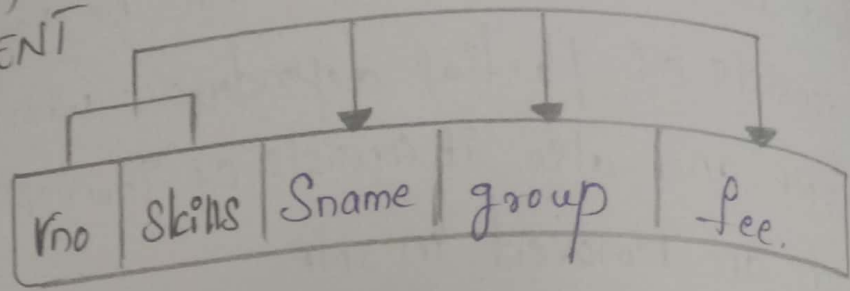
First Normal Form (1NF) :- The lowest possible implementation of normal-forms is 1NF. A database table in 1NF must satisfy the following conditions.

- * The primary key entity requirements are met.
- * Each row and column intersections can contain one and only one value.
- * All the table's attributes are dependent on the primary key attribute.

The above table is changed into following table to satisfy 1NF.

| no | Sname | group | fee | skills. |
|-----|-------|-------|-------|---------|
| 101 | Sai | MBA | 30000 | C |
| 101 | Sai | MBA | 30000 | C++ |
| 101 | Sai | MBA | 30000 | Java. |

Data Dependency is
- table: STUDENT



Second Normal form (2NF) :- A database table in 2NF must satisfy the following conditions.

- * The table must be 1NF.
- * The table contains no partial dependencies. It means every non-key attribute is fully depended on key-attribute.

A dependency based on only part of primary key is known as partial dependency. The above table consists of partial dependency (Sname, group, fee are dependent on rno, i.e. part of primary key). So we need to remove this partial dependency from the above table to satisfy 2NF. For this we decompose the STUDENT table into STUDENT and SKILLS tables.

STUDENT

| rno | Sname | group | fee. |
|-----|-------|-------|-------|
| 101 | Sai | MBA | 30000 |

SKILLS.

| rno | skills. |
|-----|---------|
| 101 | C |
| 101 | C++ |
| 101 | Java. |

Removing Partial dependency

Table : STUDENT

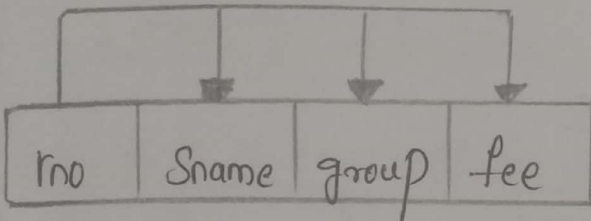
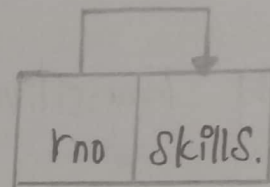


Table : SKILLS.



Now the above table is in Second Normal form.

Third Normal Form (3NF) :- A database table in 3NF must satisfy the following conditions.

- * The table must be in 2NF.
- * The table contains no Transitive dependencies.

A dependency based on an attribute that is not part of primary key is known as Transitive dependency. The above STUDENT table has transitive dependency i.e. dependency between "fee" and "group" attributes.

So we need to remove this transitive dependency by decomposing the STUDENT table into STUDENT and GROUP.

STUDENT

| rno | Sname | group |
|-----|-------|-------|
| 101 | Sai | MBA |

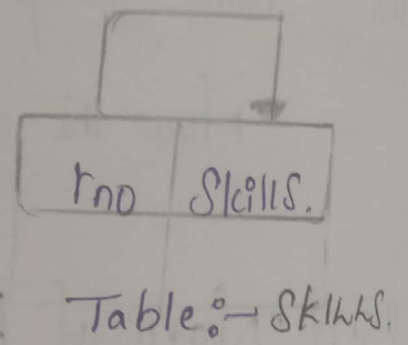
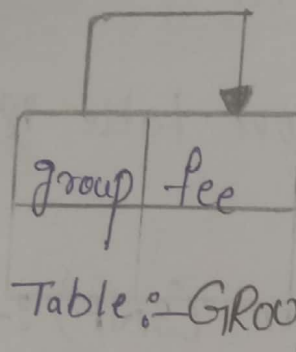
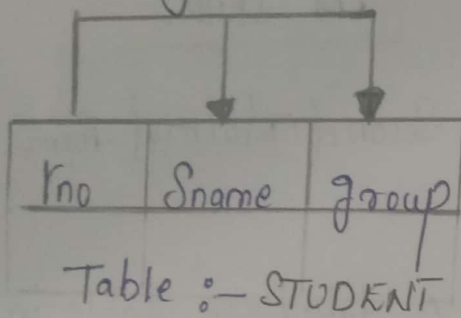
GROUP

| group | fee |
|-------|-------|
| MBA | 30000 |

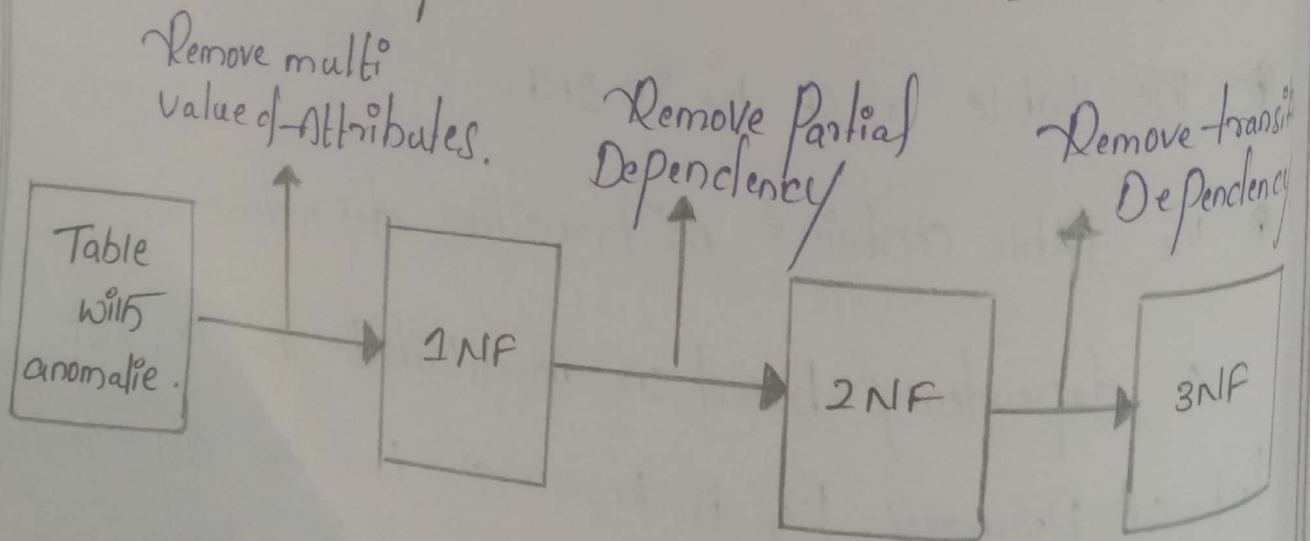
SKILLS.

| rno | Skills |
|-----|--------|
| 101 | C |
| 101 | C++ |
| 101 | Java. |

Removing Transitive dependencies.



Diagrammatic Representation of Normalization.



BCNF (Boyce-codd Normal Form) :- BCNF stands for Boyce-codd Normal Form. This normal form is considered to be a special case of 3NF. But there are few differences between BCNF and 3NF.

- * 3NF is satisfying 2NF and removing Transitive dependency.
- * Transitive dependency exists only when a non-key attribute determines another non-key attribute.
- * But it is possible for a non-key attribute to be the determinant of PK or part of PK without violating the 3NF requirements. This is nothing but BCNF.
- * A table is in BCNF if and only if every determinant in the relation is a candidate key.

Consider the following table.

| Sid | Subject | Faculty |
|-----|---------|---------|
| 132 | phy | Sai |
| 132 | Cs | chanti |
| 423 | phy | Sai |
| 423 | Cs | chanti |
| 537 | Cs | Mahesh |

The above table that is in 3NF can be converted to a table in BCNF using simple two step process.

1. The table is modified so that the determinant in the table is not a candidate key (faculty) becomes a component of PK of the revised table.

| Sid | Faculty | Subject |
|-----|---------|---------|
|-----|---------|---------|

2. In the above, Subject is partially dependent on Faculty i.e. there exist partial dependency. So decompose the table to eliminate the partial dependency and then the tables satisfy BCNF.

| Sid | Faculty |
|-----|---------|
| 132 | Sai |
| 132 | Chanti |
| 423 | Sai |
| 423 | Chanti |
| 537 | Mabesh |

| Faculty | Subject |
|---------|---------|
| Sai | Phy |
| Chanti | CS |
| Mabesh | CS |

FOURTH Normal form (4NF) :- A Relation or a table is in a 4NF, if it is already in the BCNF and it has no multivalued dependency.

Conditions :-

- 1) All the attributes must dependent on up on the pk.
- 2) No row can contain two or more multivalued facts about an entity.

consider the following table with multivalued dependencies.

| Course | Faculty | Textbook |
|--------|---------|----------|
| Java | Murali | Dietel |
| | Sitaram | Norton |
| | Sanjay | Norton |
| Oracle | Naveen | Peters |
| | | Hofer |

which on removing multiple values for the attributes the table becomes.

| Course | Faculty | Textbook |
|--------|---------|----------|
| Java | Murali | Dietel |
| Java | Murali | Dietel |
| Java | Sitaram | Dietel |
| Java | Sitaram | Norton |
| Java | Venu | Dietel |
| Java | Venu | Norton |
| Oracle | Smith | Petross |
| Oracle | Smith | Hoffer |

Table in fourth Normal form, we remove multiplicity dependency in the above table. And it is split as.

| Course | Faculty |
|--------|---------|
| Java | Murali |
| Java | Sitaram |
| Java | Venu |
| Oracle | Smith |

| Course | Textbook |
|--------|----------|
| Java | Norton |
| Java | Dietel |
| Oracle | Petross |
| Oracle | Hoffer |

Conclusion:

Relational databases can be arranged according to a set of rules called Normal forms in database administration (1NF, 2NF, 3NF, BCNF, 4NF and 5NF) which reduces data redundancy and preserve data integrity.


by

A. Sandhya - 643-21-4003

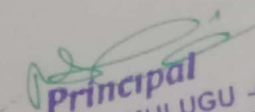
T. Soumya - 643-21-4031

References: 1) Fundamentals of Database systems
L.
by Ramez Elmasri, 2007.

2) Database Management Systems by
by - Raghuram Krishnan, 1996.


Head

Department of Computer Science
TTWRDC (G) Mulugu-643


Principal
TTWRDC (G) MULUGU -643
PMRC ITDA ETURNAGARAM
MULUGU - 506165

Study Project on

Normal forms in

Head
Department of Computer Science
TTWRDC (G) Mulugu-643

Date: Nov-3-2023

Principal

by:

TTWRDC (G) MULUGU -643
at PIRIC ITDA ETURNAGARAM
Dist: MULUGU - 506165
(603-23-4003) B. Suma (mpu 2/23m)
Anitha (mpu 2/23m)
2023-24

DBMS

Objectives:

- ✿ Online Examination system can reduce the hectic job of assessing the answers given by candidates manually.
- ✿ Responses or the answers by the candidates can be checked automatically and instantly.
- ✿ It will reduce paper work to be an integrated online Examination System.
- ✿ The result can be shown immediately to the students reducing the anxiety.
- ✿ Can create various reports and graphs for evaluation purpose almost instantly when and where required.

Online Examination system Project Java

Online Examination system Project could be a web Portal which is developed or implemented in java domain or platform. This Project is helpful for students to Practice different mock examinations from this site. In current generation lots of the examination like GRE, CAT, and MAT...etc is conducted through online system. This Project will be help students to get Practised to online examination method by taking mock tests from this web Portal. Online examination System Portal is implemented in 2 modules Student examination module and examination admin module. Admin module will add multiple courses under different branches so students can easily know about test details. Student Examination module students ought to register with application and choose interested courses and participate in the online test.

Project Objective

- ⇒ Online Examination System can reduce the hectic job of assessing the answers given by candidates manually.
- ⇒ Responses or the answers by the candidates can be checked automatically and instantly.
- ⇒ It will reduce paper work to be an integrated Online Examination System.
- ⇒ The result can be shown immediately to the students reducing the anxiety.
- ⇒ Can create various reports and graphs for evaluation purpose almost instantly when and where required.

Project Modules

- 1 - Administrator module
- 2 - Student module

After feeding the desired info(s) to the login window the system checks user style of the corresponding user ID.

If it is admin then it'll settle for administrator login & provides administrator view else

Student view.

Major Operations

The following are the major operations of this application.

- ⇒ Administrator Input or enter password to enter into system
- ⇒ Adding new course
- ⇒ Adding new batch
- ⇒ Adding students to batch
- ⇒ Adding questions of courses
- ⇒ Listing examinations details
- ⇒ Listing questions, batches etc.
- ⇒ Changing of password

Online Examination System features

- ⇒ Secure
- ⇒ Time bar prevention
- ⇒ Straightforward to use
- ⇒ Reliable and correct
- ⇒ No want of examiner
- ⇒ Consistency
- ⇒ No debugging repetition.

improvement each moment. However performin
 -g. all the necessary testing, we will conclude
 -e that our design will implement property
 that it absolutely was made.

Online Exam Project in Java Swing
without database

In this project, there are given 10 questions
 to play. User can bookmark any question for
 the reconsideration while going to result.

We are using here java array to store the
 question, options and answers not database.
 You can use collection framework or database
 as in place of array.

```

1: /*Online java paper Test*/
2:
3: import java.awt.*;
4: import java.awt.event.*;
5: import javax.swing.*;
6:
7: class OnlineTest extends JFrame implements
  ActionListener
  
```

```

8  {
9     JLabel l;
10    JRadioButton jb[] = new JRadioButton[5];
11    JButton b1, b2;
12    ButtonGroup bg;
13    int count = 0, current = 0, X = 1, Y = 1, now = 0;
14    int m[] = new int[10];
15    OnlineTest (String s)
16    {
17        Super (s);
18        l = new JLabel();
19        add(l);
20        bg = new ButtonGroup();
21        for (int i = 0; i < 5; i++)
22        {
23            job [i] = new JRadioButton();
24            add(job [i]);
25            bg.add(job [i]);
26        }

```

7

```

27) b1 = new JButton("Next");
28) b2 = new JButton("Bookmark");
29) b1.addActionListener(this);
30) b2.addActionListener(this);
31) add(b1); add(b2);
32) set();
33) t.setBounds(30, 40, 450, 20);
34) jb[0].setBounds(50, 80, 100, 20);
35) jb[1].setBounds(50, 110, 100, 20);
36) jb[2].setBounds(50, 140, 100, 20);
37) jb[3].setBounds(50, 170, 100, 20);
38) b1.setBounds(100, 240, 100, 30);
39) b2.setBounds(270, 240, 100, 30);
40) setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
41) setLayout(null);
42) setLocation(250, 100);
43) setVisible(true);
44) setSize(600, 350);
45) }

```

```

46 public void actionPerformed (ActionEvent e)
47 {
48     if (e.getSource() == b1)
49     {
50         if (check())
51             count = count + 1;
52         current ++;
53         set();
54         if (current == 9)
55         {
56             b1.setEnabled(false);
57             b2.setText("Result");
58         }
59     }
60     if (e.getActionCommand().equals("Bookmark"))
61     {
62         JButton bk = new JButton("Bookmark" + x);
63         bk.setBounds(400, 20 + 30 * x, 100, 30);
64         add(bk);
65         bk.addActionListener(this);

```

```

66) m[x] = current;
67) x++;
68) current++;
69) set();
70) if (current == 9)
71)    ba.setText("Result");
72)    setVisible(false);
73)    setVisible(true);
74) }

75) for (int i = 0, Y = 1; i < X; i++, Y++)
76) {
77)    if (e.getActionCommand().equals("Bookmark" + Y))
78)    {
79)        if (check())
80)            count = count + 1;
81)        now = current;
82)        current = m[Y];
83)        set();
84)        ((JButton) e.getSource()).setEnabled(false);
85)        current = now;

```

```

86 }
87 }
88
89 if ( e.getActionCommand().equals("Result"))
90 {
91     if (check0)
92         count = count + 1;
93     current ++;
94     //system.out.println("Correct ans = "+ count);
95     JOptionPane.showMessageDialog(this,"Correct ans =
96                                     + count);
97     System.exit(0);
98 }
99 }
100 void set()
101 {
102     jb[4].setSelected(true);
103     if (current == 0)
104     {
105         1. setText("Ques: Which one among these
106                is not a primitive datatype?");

```

```

105 }
    jb[0].setText("int"); jb[1].setText("float");
    jb[2].setText("boolean"); jb[3].setText("char");
106 }
107 if (current == 1)
108 {
109     1. setText("Ques 2: Which class is available to all
    the class automatically?");
110     jb[0].setText("Swing"); jb[1].setText("Applet");
    jb[2].setText("Object"); jb[3].setText("ActionEvent");
111 }
112 if (current == 2)
113 {
114     1. setText("Ques 3: Which package is directly
    available to our class without importing it?");
115     jb[0].setText("swing"); jb[1].setText("applet");
    jb[3].setText("lang");
116 }
117 if (current == 3)
118 {
119     1. setText("Ques 4: string class is defined in which
    package?");
120 }

```

```
1302 jb[0].setText("lang"); jb[1].setText("swing");  
1303 jb[2].setText("Applet"); jb[3].setText("awt");
```

```
1304 }
```

```
1305 if (current == 4)
```

```
1306 {
```

```
1307 1. setText("Que 5: Which institute is best for  
1308 java coaching?");
```

```
1309 jb[0].setText("Utek"); jb[1].setText("APtech");
```

```
1310 jb[2].setText("Sera"); jb[3].setText("Jtek");
```

```
1311 }
```

```
1312 if (current == 5)
```

```
1313 {
```

```
1314 1. setText("Que 6: Which one among these is not  
1315 a keyword?");
```

```
1316 jb[0].setText("class"); jb[1].setText("int");
```

```
1317 jb[2].setText("get"); jb[3].setText("if");
```

```
1318 }
```

```
1319 if (current == 6)
```

```
1320 {
```

```
1321 1. setText("Que 7: Which one among these is  
1322 not a class?");
```

```

1352 jb[0].setText("Swing"); jb[1].setText("Action
      - performed"); jb[2].setText("ActionEvent");

```

```

1362 jb[3].setText("Button");

```

```

1372 }

```

```

1382 if (current == 7)

```

```

1392 {

```

```

1402 1. setText("Que 8: Which one among these is not a
      function of Object class?");

```

```

1412 jb[0].setText("toString"); jb[1].setText("finalize");
      jb[2].setText("equals");

```

```

1422 jb[3].setText("getDocumentBase");
1432 }

```

```

1442 if (current == 8)

```

```

1452 {

```

```

1462 1. setText("Que 9: Which function is not present
      in Applet class?");

```

```

1472 jb[0].setText("int"); jb[1].setText("main");

```

```

      jb[2].setText("start"); jb[3].setText("destroy");

```

```

1482 }

```

```

1492 if (current == 9)

```

```

1502 {

```

151 } 1. setText("Que 10: Which one among these is not a valid component?");

152 } jb[0].setText("JButton"); jb[1].setText("JList");
jb[2].setText("JButton Group");

153 } jb[3].setText("JTextArea");

154 }

155 } 1. setBounds(30, 40, 450, 20);

156 } for (int i=0, j=0; i <= 90; i+=30, j++)

157 } - jb[j].setBounds(50, 80+i, 200, 20);

158 }

159 } boolean check()

160 }

161 } if (current == 0)

162 } return (jb[1].isSelected());

163 } if (current == 1)

164 } return (jb[2].isSelected());

165 } if (current == 2)

166 } return (jb[3].isSelected());

167 } if (current == 3)

168 } return (jb[0].isSelected());

169 } if (current == 4)

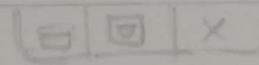
```

1702     return (jb[2].is selected());
1712     if (current == 5)
1722         return (jb[2].is selected());
1732     if (current == 6)
1742         return (jb[1].is selected());
1752     if (current == 7)
1762         return (jb[3].is selected());
1772     if (current == 8)
1782         return (jb[1].is selected());
1792     if (current == 9)
1802         return (jb[2].is selected());
1812     return false;
1822 }
1832 public static void main (String s[])
1842 {
1852     new OnlineTest ("Online Test of java");
1862 }
1872 }

```

Output

Online Test of Java



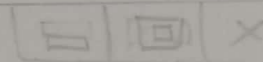
Que 1: Which one among these is not a primitive datatype?

- int
- float
- boolean
- char

Next

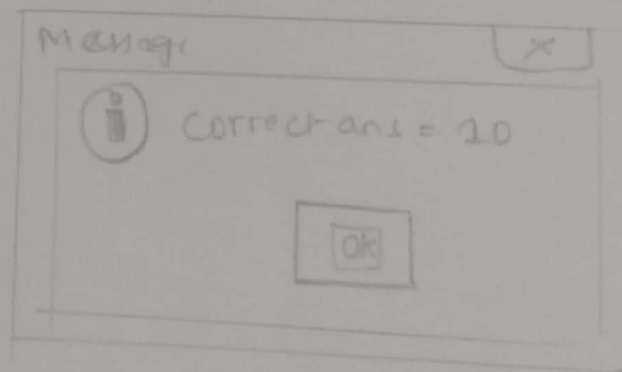
Bookmark

Online Test of Java



Que 10: Which one among these is not a valid component

- JButton
- JList
- JButton Group
- JTextArea



Next

Result

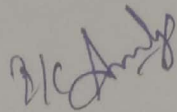
Conclusion;

As far as design is concerned no design is complete ever and there are chances of improvement each moment. However performing all the necessary testing, we will conclude that our design will implement properly that it absolutely was made.

References:

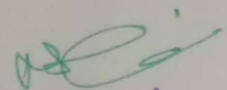
Book Name := Database Management System

Author Name := Raghu Ramakrishnan
and Johannes Gehrke



Head

Department of Computer Science
TTWRDC (G) MULUGU-643



Principal

TTWRDC (G) MULUGU -643
at PMRC ITDA ETURNAGARAM
Dist : MULUGU - 506165

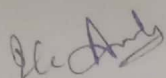
Project Work

Topic := case study on search Engine

Group := MPCs II year

Group Members := B. Laxmi (643224004)
B. Srilatha (643224005)
K. Prasanna (643224012)

Jan - 13 - 2023



Head

Department of Computer Science
TTWRDC (G) Mulugu-643


Principal

TTWRDC (G) MULUGU -643
at PMRC ITDA ETURNAGARAM
Dist ; MULUGU - 506165

1. Introduction

2. Web search engine google

A. system Anatomy

B. System features

* Page Rank

* Description of Page Rank formula

* Anchor text

C. Crawling

D. Indexing

Other features

* Google

* Yahoo

* Ask

* MSN

3. Google Services - 2010 update

* Google (TV)

* Google Chrome

* Google Apps

* Google Mission

4. Previous Case Study updates

5. Update - trends in usage of google
Services

6. Conclusion

1) Introduction

All Google it is one of the most renowned terms in Internet world. Google's brand has become so universally recognizable that now days, people use it like a verb. For example if someone asks "Hey what is the meaning of that word?" the answer is "I don't know Google it."

Google Inc is an American public Corporation specializing in internet search technology and many products. Google's mission is based on the fundamentals of collaborative teamwork. Its main motive is to organize the world's information and make it universally accessible and useful. Google Company was founded by Larry Page and Sergey Brin while studying PhD at Stanford University in 1998 (1)

The main idea behind the Google's search engine is that the web can be represented as a series of interconnected links, and its structure can be portrayed by a giant and complex mathematical graph. Google's innovative search engine technologies connect billions of people around the world with information every second.

The name "Google" derived from the

word "Google" which refers to 10^{100} .

2) WEB SEARCH ENGINE Google

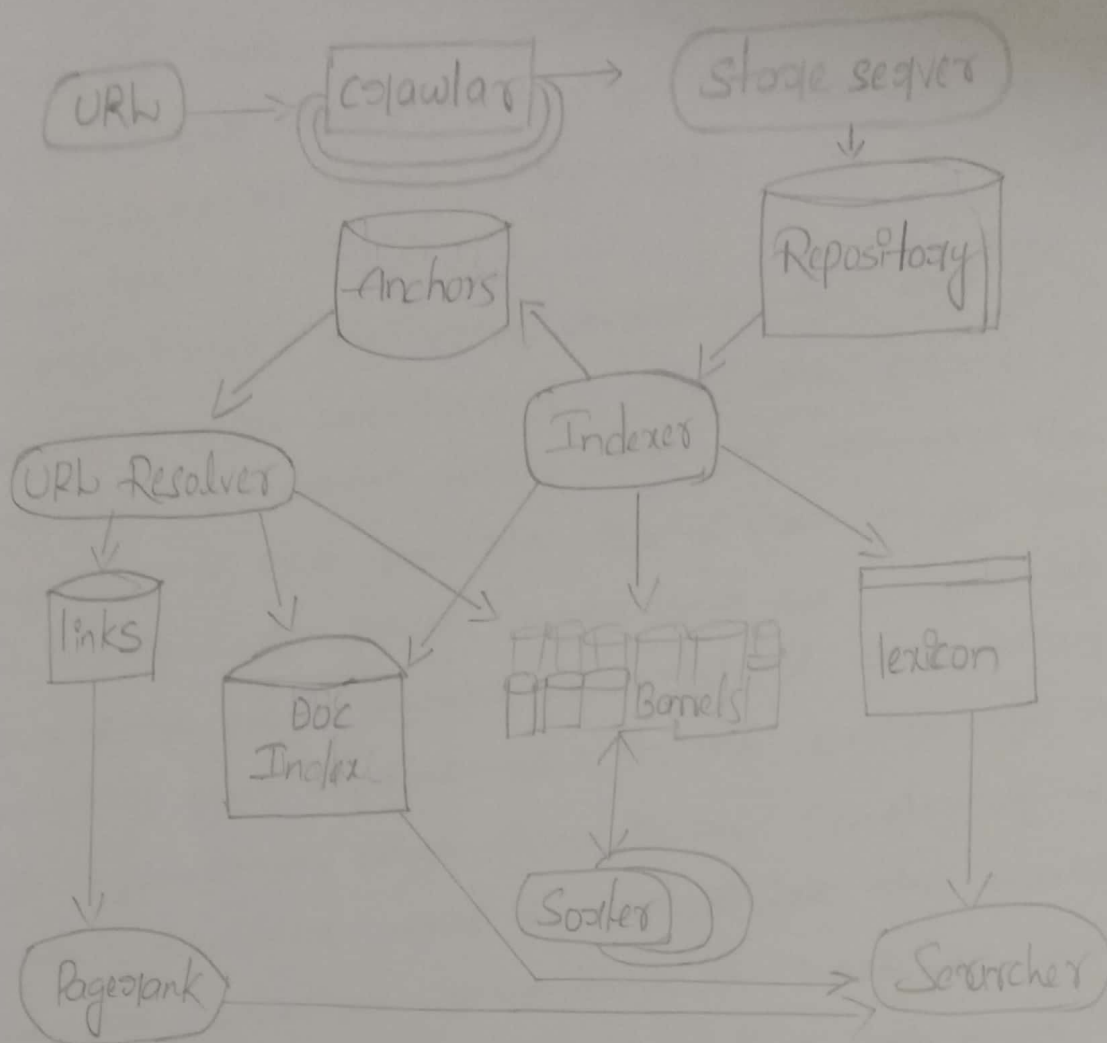
Developing a search engine that matches even to today's web world presents many challenges before us. storage technologies must be used optimized to store the documents and the indices to gather the up to date web documents and information fast crawling technology (browsing the world wide web) is required and it ensures that we can find latest we use news blogs and status updates. the indexing system must process hundreds of gigabytes of data efficiently, speed is the major priority in searching queries response time must be very faster

Google is designed to scale well to keep up with the growth of web IT gives exactly what we want. for fast and efficient access. its data. stru-ctured are optimized in addition to smart coding on the back end it developed distributed computing systems around that globe that ensure fast res-ponse times.

A. System Anatomy

first we will provide a high level discussion of the google's architecture finally the major methods crawling indexing and searching will be examined in depth

1) Google architecture Overview.



In Google the web crawling (downloading of web pages) is done by several distributed crawlers which is a computer program that browses the world wide web by employing many computers. URL server sends lists lists of URL (uniform) that are fetched are then sent to the store the web pages into a repository every web page has an associated ID number.

B. System features

Google's most important feature is page Rank. a method that determined the "importance" of a webpage by analyze at what other pages link to it as well as other data.

1. page Rank: Bringing order to the web

search engine searches for the web pages or documents available on world wide web and returns the relevant results it is not possible for a user to go through all the millions of pages presented as output of search. thus all the pages should be weighted according to their priority and represented in the order of their weights and importance page Rank is an (order of their weights and/or) excellent way to prioritize the results of web keyword searches. page Rank is basically a numeric value that represents how much a web page is important on the web

2. Description of page rank formula

page Rank is calculated by counting citations or backlinks to a given page. In the paper "the anatomy of a large-scale hypertextual web search engine" founders of google.

3. Anchor text:

the anchor text is defined as the visible highlighted clickable text that is displayed for a hyperlink. In an HTML page search engine treat the anchor text in a different way. the anchor text

Can determine the rank of the page it provides more accurate determine of web pages that are indicated in anchors than the pages themselves. Anchors may exist for documents which cannot be indexed by text-based search engine as images programs and databases.

C. Crawling

Web crawling or spidering is a process of browsing the world wide web in a methodical automated manner by software program called web crawler running on a search engine's server web crawler are also called indexers, bots, web spiders, ants, web robots.

Crawlers start by fetching a few web pages then they follow all the links contained in those pages and fetch the pages they point to and so on. It is a recursive process and it produce many billions of pages stored across thousands of machines.

Running a web crawler is a challenging task because crawling is the most fragile application since it involves interacting with hundreds of thousands of web servers.

D. Indexing

The spider collects the data and stored in 'index' when we are doing searching we are not searching the web but the cache of the web or index provided by search engine rather than

Searching each page for a query phrase or keywords "search engine" invests the index to produce a table of the documents containing particular words for example for the search "online shopping" the search engine might find the word online in documents 13, 28, 49, 54 and 99 and the word "shopping" in documents 13, 28, 49, and 54 follows.

Other feature

- A part from page rank calculations and the use of anchor text google has several other features
- ⇒ first, it has location information for all hits a set of all word occurrences so it makes extensive use of proximity or probability in searching
 - ⇒ second, Google keeps information about some visual presentation details such as font size or words, words in a larger or bolder font are weighted higher than other words
 - ⇒ third, full raw HTML of pages is available in a repository.

Google :-

Google has been in the search game a long time, it has the highest share market of search engine (about 81%)

- 1) Web crawler-based service provides both comprehensive coverage of the web along with great relevancy.
- 2) Google is much better than the other engines at determining whether a link is an artificial link or true editorial link.
- 3) Google gives much importance to sites which add fresh content on a regular basis, this is why Google likes blogs, especially popular ones.
- 4) Google prefers information pages to commercial sites.
- 5) A page on a site or sub domain of a site with significant age or link can rank much better than it should, even with no external citations.

YAHOO :-

- 1) It shares the second largest share market of the search engine (about 12%) Yahoo has been in the search game for many years [7]
- 2) When it comes to counting back links, Yahoo is the most accurate search engine [7]
- 3) Yahoo is better than MSN but near as good as Google at determining whether a link is artificial or natural
- 4) Crawl rate of the Yahoo's spiders is at least 3 times faster than Google's spiders (3)
- 5) Yahoo! tends to prefer commercial pages to informational pages as comparing with Google [7]

MSN :-

- 1) MSN has the share of 3% of the total search engine market [7]
- 2) MSN search uses its own web database and also has separate News, Images and local databases

- 3) Its strength include this large unique database its query building " Search Builder" and Boolean Searching, cached copies of web pages including data cached and automatic local search options.
- 4) the spider crawls only the beginning of the pages (as opposed to the other two search engine which crawl the entire content) and also the number of pages found in this index or database is extremely low [8]

ASK :-

- 1) the Ask search engine has the lowest share (about -1%) out of the total search engine market [7]
- 2) Ask is a topical search site, it gives more importance to sites that are linked to topical communities
- 3) Ask is more susceptible to spamming [7]

3) Google Services - 2010 update :-

The range of established Google Services is well known. Many of these achieve through acquisition. See this 2010 Summary of Google acquisitions.

Google's commitment to innovation is indicated by these more recent additions to their Services which show that their ambitions extend far beyond search and information management through developing operating systems and hardware across multiple platforms to fulfill their mission to "organize the world's information... and make it universally accessible and useful."

* Google TV (Google TV announced 2010) as part of a partnership agreement with Sony and other hardware vendors

Google Chrome :- a browser announced as a beta in 2008 and full product for windows in 2009

Google Apps :- Announced in 1997 when Google Apps premier edition became available for \$50 per user account per year, and includes phone support, additional storage and a new set administration and business integration capabilities

* Google Mission :-

Google's mission is encapsulated into its founding statement "to organize the world information -- and make it universally accessible and useful"

Google ultimately that it believes that the most effective and ultimately the most profitable way to accomplish our mission is to put the needs of our users first, offering a high-quality user experience has led to strong word of mouth promotion and strong traffic growth.

Read further details on the culture and ethics of Google in their ten things manifesto. Notable text of the Google philosophy are.

- 1) focus on the users and all else will follow
- 2) It's best to do one thing really well.
- 3) you can make without doing evil (the founders are well known and chastised for making this statement)

4) Previous Case Study updates :-

- Google founders letter - published may 2009 - this note from the founders of Google outlines future strategy and priorities of Google key Services
- Number of Google advertisers - currently 1.3 to 1.5 million indicating plenty of potential for growth see analysis on Number of Google advertisers

5) Update - trends in usage of Google Services :-

Techcrush has a useful summary of us trends in usage of Google Services, this catalog - res the continuous growth of Google in the US in its core Services but shows Google video.

scholar and Google product search falling substantially.

click on the top left link on the widget below to see tech crunches take on Google's product strategy :-

Conclusion :-

Google is in a rapidly changing industry where it also needs to be able to respond immediately and adjust to the new trends in the industry, as a company that deals with information and needs, the best strategies to keep up with the demand and the competitions, it must not only focus on creating and maintaining their differentiation competitive advantage, but it must also make fast and aggressive moves that " focus on their capability to dynamically adjust their organizational resources, valuing agility itself as the competitive advantage

[Pearlson & Saunders 2013] Google has acquired excellent stakeholder satisfaction by offering a

a high-class product to its customers and continuously adding new features, products and services that deliver value of customers to it's important to keep aligning it's strategies with it's mission and maintain the balance in the IT Strategy Triangle.



Head

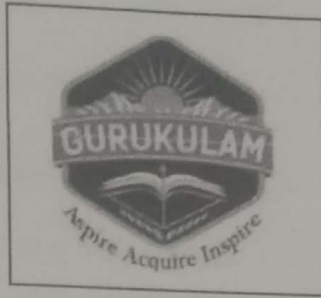
Department of Computer Science
TTWRDC (G) Muluguri-643



Principal

TTWRDC (G) MULUGURI - 643
41 PNRD ITDA ETURNAGARANI
DVA - MULUGURI - 502143

Government Of Telangana
TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN
ETUNAGARAM MULUGU



Department
of
Computer Science

Student study project on
covid -19
(2022-23)

Head

Department of Computer Science
TTWRDC (G) Mulugu-506165

Principal

TTWRDC (G) MULUGU -643
at PMRC ITDA ETURNAGARAM
Dist : MULUGU - 506165

COVID 19

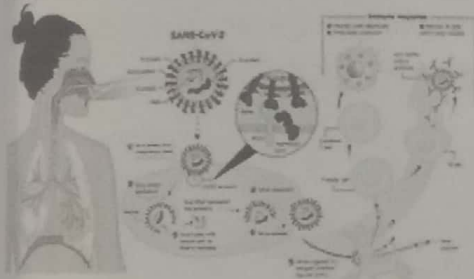
Coronavirus disease 2019 (COVID-19) is a contagious disease caused by the virus SARS-CoV-2. The first known case was identified in Wuhan, China, in December 2019.^[6] The disease quickly spread worldwide, resulting in the COVID-19 pandemic.

| | | |
|-------------------------------|--------------------------|-------------|
| Coronavirus (COVID-19) | disease | 2019 |
| Other names | COVID, (the) coronavirus | |

Transmission and life-cycle, which causes COVID-19

The virus first appeared on a small scale in November 2019 with the first large cluster appearing in Wuhan, China in December 2019. It was first thought SARS-CoV-2 made the jump to humans at one of Wuhan, China's open-air "wet markets." Later theories voiced concern that it may have originated as a biological weapon in a lab in China.

As COVID-19 spread both inside and outside China, it infected people who have had no direct contact with animals. That meant the virus is transmitted from one human to another. Its spread continued to the U.S. and around the



globe, meaning that people are unwittingly catching and passing on the coronavirus. The worldwide transmission is what is now a pandemic declared on March 11, 2020 by the World Health Organization.

Key facts

- COVID-19 is a disease caused by a virus. The most common symptoms are fever, chills, and sore throat, but there are a range of others.
- Most people make a full recovery without needing hospital treatment. People with severe symptoms should seek medical care as soon as possible.
- Over 760 million cases and 6.9 million deaths have been recorded worldwide since December 2019, but the actual number is thought to be higher.



People over age 60 and those with existing medical conditions have a higher risk of getting seriously ill. These conditions include high blood pressure, diabetes, obesity, immunosuppression including HIV, cancer and pregnancy. Unvaccinated people also have a higher risk of severe symptoms.



Symptoms

- confusion
- drowsiness or loss of consciousness
- persistent pain or pressure in the chest
- skin being cold or clammy, or turning pale or a bluish colour
- loss of speech or movement.

People who have pre-existing health problems are at higher risk when they have COVID-19; they should seek medical help early if worried about their condition. These include people taking immunosuppressive medication; those with chronic heart, lung, liver or rheumatological problems; those with HIV, diabetes, cancer, obesity or dementia.

People with severe disease and those needing hospital treatment should receive treatment as soon as possible. The consequences of severe COVID-19 include death, respiratory failure, sepsis, thromboembolism (blood clots), and multiorgan failure, including injury of the heart, liver or kidneys.



In rare situations, children can develop a severe inflammatory syndrome a few weeks after infection.

Some people who have had COVID-19, whether they have needed hospitalization or not, continue to experience symptoms. These long-term effects are called long COVID (or post COVID-19 condition). The most common symptoms associated with long COVID include fatigue, breathlessness and cognitive dysfunction (for example, confusion, forgetfulness, or a lack of mental focus or clarity). Long COVID can affect a person's ability to perform daily activities such as work or household chores.



Wear a mask properly

To properly wear your mask:

- Make sure your mask covers your nose, mouth and chin.
- Clean your hands before you put your mask on, before and after you take it off, and after you touch it at any time.
- When you take off your mask, store it in a clean plastic bag, and every day either wash it if it's a fabric mask or dispose of it in a trash bin if it's a medical mask.



Keep good hygiene

By following good respiratory hygiene you protect the people around you from viruses that cause colds, flu and COVID-19.

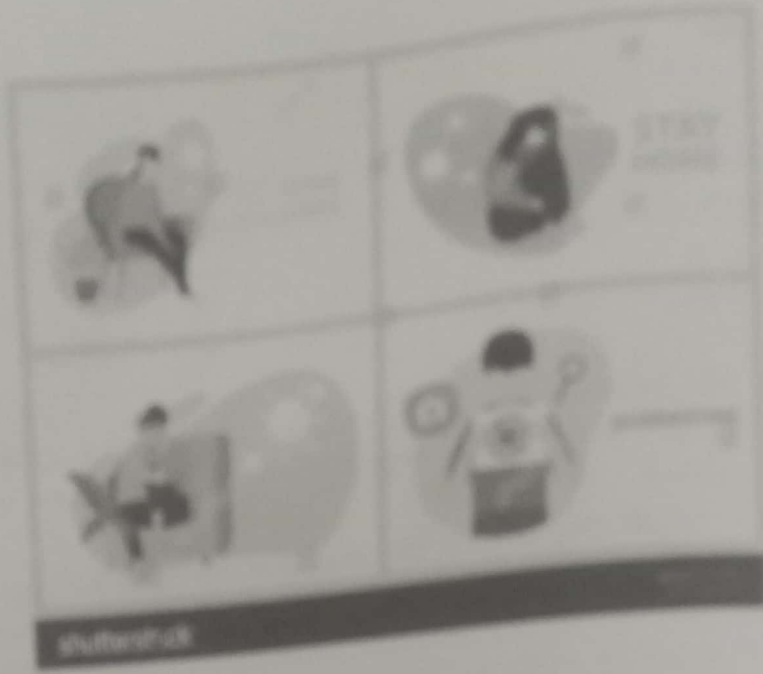
To ensure good hygiene you should:

- Regularly and thoroughly clean your hands with either an alcohol-based hand rub or soap and water. This eliminates germs that may be on your hands, including viruses.
- Cover your mouth and nose with your bent elbow or a tissue when you cough or sneeze. Dispose of the used tissue immediately into a closed bin and wash your hands.
- Clean and disinfect surfaces frequently, especially those which are regularly touched, such as door handles, faucets and phone screens.



What to do if you feel unwell

If you feel unwell, here's what to do.





Overview

- ❖ COVID-19 is the disease caused by the SARS-CoV-2 coronavirus. It usually spreads between people in close contact



- ❖ COVID-19 vaccines provide strong protection against severe illness and death. Although a person can still get COVID-19 after vaccination, they are more likely to have mild or no symptoms.
- ❖ Anyone can get sick with COVID-19 and become seriously ill or die, but most people will recover without treatment.

People may experience different symptoms from COVID-19. Symptoms usually begin 5–6 days after exposure and last 1–14 days.

The most common symptoms are:

- fever
- chills
- sore throat.

Less common symptoms are:

- muscle aches and heavy arms or legs
- severe fatigue or tiredness
- runny or blocked nose, or sneezing
- headache
- sore eyes
- dizziness
- new and persistent cough
- tight chest or chest pain
- shortness of breath
- hoarse voice
- numbness or tingling
- appetite loss, nausea, vomiting, abdominal pain or diarrhoea
- loss or change of sense of taste or smell
- difficulty sleeping.

SYMPTOMS



COVID-19



DRY COUGH



FEVER



SHORTNESS
OF BREATH



HEADACHE



DIARRHOEA



TIREDFNESS



RUNNY NOSE



ACHES AND PAINS



SORE THROAT



NAUSEA

People with the following symptoms should seek immediate medical attention:

- difficulty breathing, especially at rest, or unable to speak in sentences

Treatment

Most people will recover without needing treatment in a hospital.

For those who need it, doctors will suggest treatments for COVID-19 based on the severity of the disease and the risk of it getting worse. They will consider the person's age and if they have other health problems.

Treatments for COVID-19 should be decided on an individual basis between the person and the healthcare professional looking after them. The choice will depend on the severity of disease and the risk of disease worsening (including the person's age and whether they have any health problems). WHO maintains a list of recommended treatments, together with the evidence for each.

Advice for the public

Protect yourself and those around you:

- Get vaccinated as soon as it's your turn and follow local guidance on vaccination.
- Keep physical distance of at least 1 metre from others, even if they don't appear to be sick. Avoid crowds and close contact.
- Wear a properly fitted mask when physical distancing is not possible and in poorly ventilated settings.
- Clean your hands frequently with alcohol-based hand rub or soap and water.
- Cover your mouth and nose with a bent elbow or tissue when you cough or sneeze. Dispose of used tissues immediately and clean hands regularly.
- If you develop symptoms or test positive for COVID-19, self-isolate until you recover.

Make your environment safer

The risks of getting COVID-19 are higher in crowded and inadequately ventilated spaces where infected people spend long periods of time together in close proximity.

Outbreaks have been reported in places where people have gather, often in crowded indoor settings and where they talk loudly, shout, breathe heavily or sing such as restaurants, choir practices, fitness classes, nightclubs, offices and places of worship.

To make your environment as safe as possible:

- Avoid the 3Cs: spaces that are closed, crowded or involve close contact.
- Meet people outside. Outdoor gatherings are safer than indoor ones, particularly if indoor spaces are small and without outdoor air coming in.
- If you can't avoid crowded or indoor settings, take these precautions:
 - Open a window to increase the amount of natural ventilation when indoors.
 - Wear a mask (see above for more details).



- If you have a fever, cough and difficulty breathing, seek medical attention immediately. Call by telephone first and follow the directions of your local health authority.
- Know the full range of symptoms of COVID-19. The most common symptoms of COVID-19 are fever, dry cough, tiredness and loss of taste or smell. Less common symptoms include aches and pains, headache, sore throat, red or irritated eyes, diarrhoea, a skin rash or discolouration of fingers or toes.
- Stay home and self-isolate for 10 days from symptom onset, plus three days after symptoms cease. Call your health care provider or hotline for advice. Have someone bring you supplies. If you need to leave your house or have someone near you, wear a properly fitted mask to avoid infecting others.
- Keep up to date on the latest information from trusted sources, such as WHO or your local and national health authorities. Local and national authorities and public health units are best placed to advise on what people in your area should be doing to protect themselves.



Dr. Anjali
Head
 Department of Computer Science
 TWRDC (G) Mulugu-643
 TWRDC (G) Mulugu-643

M. S. S.
Principal
 TWRDC (G) MULUGU -643
 PMRC ITDA ETURNAGARAM
 B. Com. CA 11 Year
 MULUGU -506165

- | | |
|-----------------|--------------|
| 1. Ch. Shalini | Ch. Shalini |
| 2. R. Nithyasai | R. Nithyasai |
| 3. K. Nagasai | K. Nagasai |
| 4. M. Sindhu | M. Sindhu |
| 5. N. Akhila | N. Akhila |
| 6. Ch. Chandini | Ch. Chandini |
| 7. Ch. Sreeja | Ch. Sreeja |
| 8. D. Keerthana | D. Keerthana |
| 9. A. Poojitha | A. Poojitha |
| 10. A. Tharani | A. Tharani |

Study Project

on

MAIL MERGE

Sep-14-2023

[Signature]

Head

Department of Computer Science
TTWRDC (G) Mulugu-643

[Signature]

Principal

TTWRDC (G) MULUGU -643
at PMRC ITDA ETURNAGARAM
Dist : MULUGU - 506165

by:- S. Navya

B.com (CA) Ist

H.T:- 643242021

[2023-2024]

Objective

Mail merge lets you create a batch of documents that are personalized for each recipient.

For example, a form letter might be personalized to address each recipient by name:

A data source, like a list, spreadsheet, or database, is associated with the document.

> Learn about the mail merge process.

Use the Mail merge task pane Select a main document

⇒ Create a data source

⇒ Insert mail merge fields into a main document

⇒ Edit a main document

⇒ preview a merged document

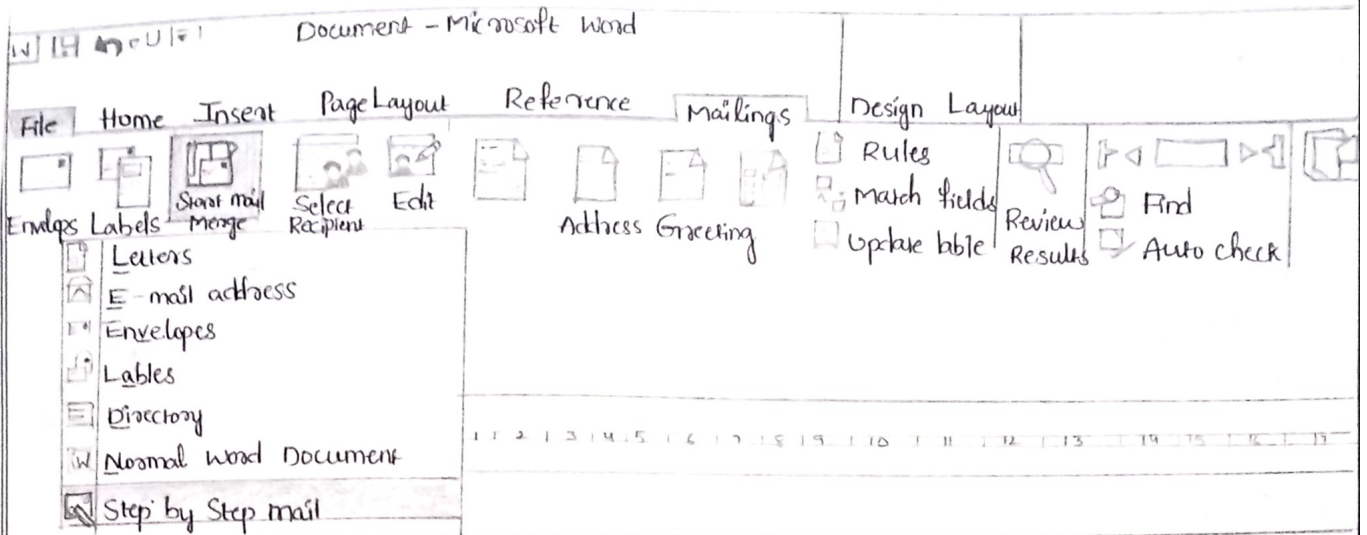
⇒ Complete a mail merge

⇒ Sort and filter a data source.

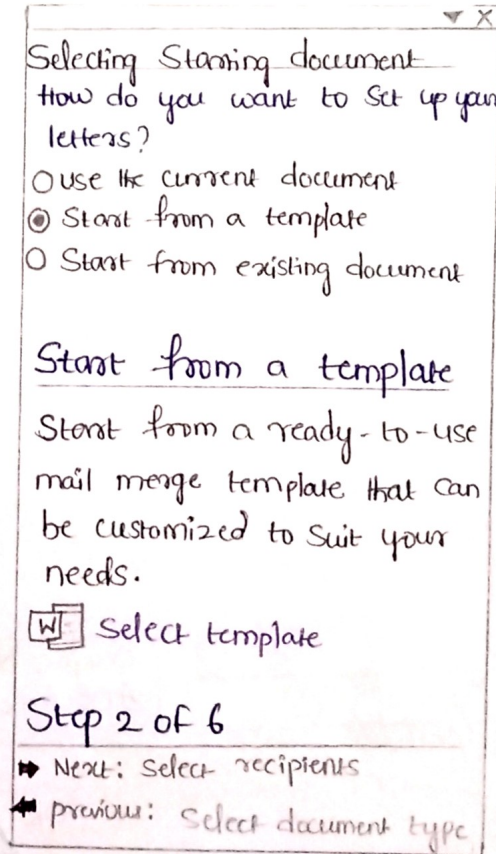
⇒ Create a Catalog-type document and mailing labels.

Steps in MAIL MERGE in MS Word

- a) click Mailing tab on the ribbon.
- b) click Start Mail Merge.



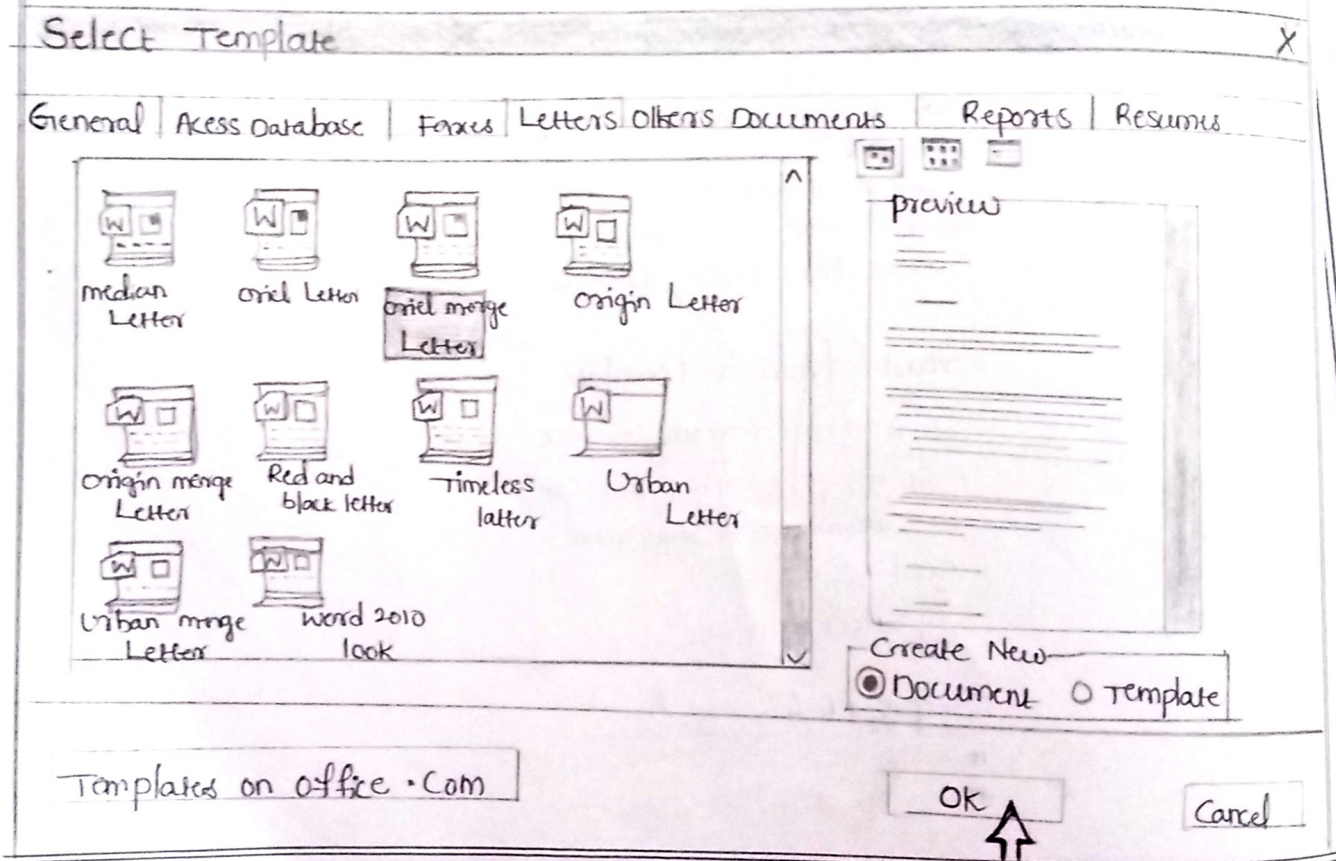
- c) Select the last option "Step by Step Mail Merge Wizard".
Task panel will be displayed as below on the right side of the screen.



d) Select **Letters** (or any other type of document you want to work on) as the type of document and then click "**Next: Starting document**" at the bottom of the task panel.

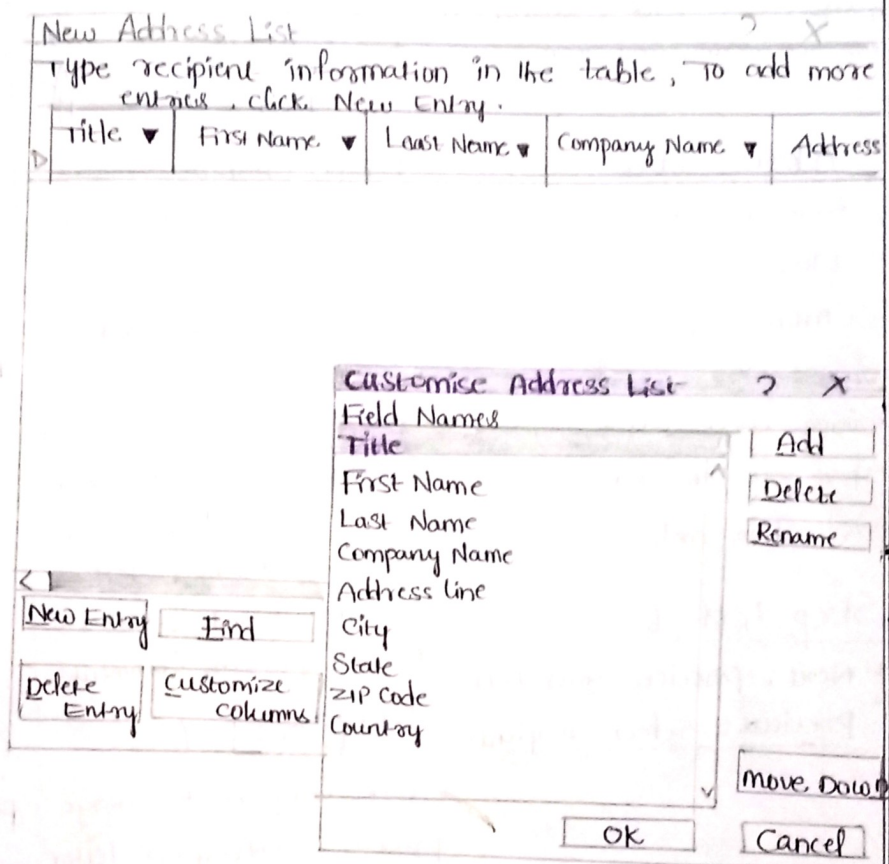
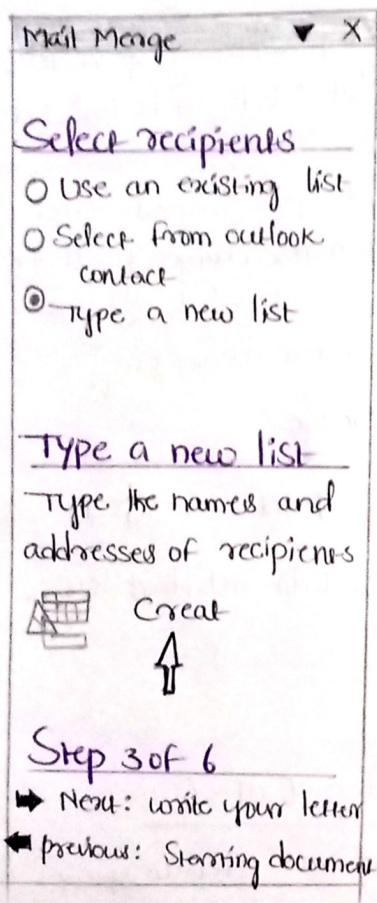
e) Select "Start from a template" (for practice purpose) from among the options available like Use the current document, Start from a template and Start from existing document. Then "Select Template" dialog box will pop up as shown below.

f) Select the "**Letter**" tab on top, click "**Oriel merge Letter**" and click **OK**. Then proceed to the 3rd step "**Select Recipients**".



1) Now select **type a new list** (for practice) radio button in the **Select recipients** wizard and proceed to **Create** then **New address list** wizard will appear.

Enter the data (like Title, First Name, Last Name, Company, Address etc.,) and Save it. Columns can be customized. Then proceeds to 4th Step **write your letters**.



h) Now proceed to 5th Step **preview your letters**. Here we can preview the letters of all the Recipients by pressing double next arrows \gg in this Step.

1) Then press **Next**: Complete the merge. Now we can't take print out of the mail merged letters or in PDF format.

| Mail Merge | Mail Merge | Mail Merge |
|---|--|--|
| <p><u>Write your letter</u></p> <p>If you have not already done so, write your letter now.</p> <p>To add recipient information to your letters, click a location in the document, and then click one of the items below.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Address block... <input type="checkbox"/> Greeting line <input type="checkbox"/> Electronic postage <input type="checkbox"/> more items <p>When you have finished writing your letters, click Next. Then you can preview and personalize each recipient's letter.</p> <p><u>Step 4 of 6</u></p> <p>Next: preview your letters Previous: select recipients</p> | <p><u>Preview your Letters</u></p> <p>One of the merged letters is previewed here. To preview another letters, click one of the following</p> <p><< Recipient: 1 >></p> <p><input type="checkbox"/> Find a recipient ↑</p> <p><u>Make changes</u></p> <p>You can also change your recipient list:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Edit recipient list <input type="checkbox"/> Exclude this recipient <p>When you have finished previewing your letters, click Next. Then you can print the merged letters or edit individual letters to add personal comments.</p> <p><u>Step 5 of 6</u></p> <p>Next: Complete the merge Previous: write your letter</p> | <p><u>Complete the Merge</u></p> <p>Mail Merge is ready to produce letters.</p> <p>To personalize your letter, click "Edit Individual Letters". This will open a new document with your merged letters. To make changes to all the letters, switch back to the original document.</p> <p><u>Merge</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> print ← <input type="checkbox"/> Edit individual letters <p><u>Step 6 of 6</u></p> <p>Previous: preview your letters</p> |

Conclusion :-

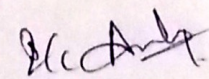
Mail merge is a handy feature that incorporates data from both Microsoft Word and Microsoft Excel and allows you to create multiple documents at once, such as letters, saving you the time and effort of retyping the same letters over and over.

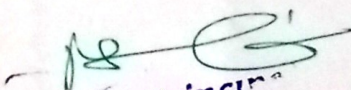
The linking the data source to the document is done through merged fields.

References:

Information Technology
(Telugu Akademi)

- Dr. G. Shashidhar Rao
Dr. D. Suresh Babu


- **Head**
Department of Computer Science
TTWRDC (G) Mulugu-543


Principal
TTWRDC (G) f
at PMRC ITDA
Dist: MULUGU - 506165

Study Project


On

MS-DOS

Commands Prompts

2/10/2023 - 6th - 2023

Head
Department of Computer Science
TTWRDC (G) Mulugu-643


Principal
TTWRDC (G) MULUGU -643
At PMRC ITDA ETURNAGARAM
Dist : MULUGU - 506165

by:- V. Ranya Sri
B.COM (CA) Ist

H.T:- 643242023
[2023-2024]

Objective :-

⇒ MS-DOS is a character-based interface system where commands are entered by the user in the command line prompt. MS-DOS

⇒ Make file management - i.e. creating, editing, deleting etc MS-DOS is a single user operating system. File names in MS-DOS are limited to eight characters.

⇒ : - the historical significance of MS-DOS

⇒ How MS-DOS provided a foundation for early Microsoft Windows releases

⇒ - the basis of command-driven system and how to construct simple batch files

⇒ How one processor can be shared among multiple processes.

⇒ - the limitation of MS-DOS for many of today's computer users.

⇒ start an MS-DOS windows display file listing navigate

⇒ Run a program.

Types of Command In ms Dos

The ms Dos is having two types of Commands - to proper execution of programs - they are Internal and External Commands.

Internal Command :=

→ All the internal Commands are included in one of the system file i.e. Command.com once the computer system is booted the Command.com is loaded into primary/main memory of the computer.

1 Dir: stand for Directory It means - this Command list out all the Directory which created by user in the hard disk of floppy disk syntax for Command.

```
C:\>Dir
```

a) dir /p: to get the directories page wise . i.e one screen at a time - this Command is used

b) dir /w : - to get - the directories in width wise his Command is used

c) dir [drive] : - to list out - the directory of another directory's

- for example : dir A : - this Command list all - the files drive A

d) dir < Extension : - this Command lists all - the files in drive A with extension specified for example dir *.bat - this Command list - out - all files with extension bat

e) dir * : - this Command lists all files in - the current directory from which we are currently executing our Command.

f) dir com ???* : - this Command list all files beginning with com and followed by any three characters and with any file extension.

for example dir ???* - the out - put may be
abc com (note : If - the directory is com created.

g) DIR : to get - the sub-directories in
- the current directory and all files within
- the sub directory - this command is used

2. MD or MkDir : - this command stand for making
a directory Command is used to create a new
directory

```
C:\>MD or MKDIR
```

for example if you want create a directory for
student - give - the following command

```
C:\>MD students
```

3. CD : - this command stand's for change - the
directory so directory is created on with
of - the command we can move from - the
directory to another

syntax

```
C:\>CD <directory \name>
```

```
C:\>CD students
```

- then we will get - C:\students >

Ex: suppose we want to create subdirectory
say marks in - the students directory

- 1) Create main directory i.e student
- 2) Create sub directory through MD Command MARS in

students

3) Type this Command:

C:\> CD student (Creation of students directory)

C:\> student (After creation of students d screen)

4) CD .. OR CD \ - This Command is used to go back to root directory

Syntax

C:\> CD .. OR CD \

Ex: If you want to go back to the directory students

5) RP & RD stand for remove directory: - This Command is used to remove the existing directory from memory which not useful in future

Syntax

C:\> RD < sub - directory name >

6. Copy :- This command copies a file from one file (source file) to another file (destination file)

syntax

```
C:\> Copy <source file name> <destination file name>
```

Example :- C:\> Copy x file y file

7. Copy Con :- This command is used to create a file in a directory.

syntax

```
C:\> Copy con <file name>
```

Example :- we want to create a file say

B.com C:\> Copy con B.com

The following command instead of ^Z
^C CTRL + C and press enter key

8. REN :- Ren stands for RENAME :- that is to change the name of existing file and give new name to the file - this command is used

Syntax

`C:\>REN <existing file name> <new file name>`

Example: `C:\>REN x file y file`

DEL, DEL = DEL stand for delete - this command is used to delete created file completely from the memory

Syntax

`C:\>DEL <FILE name>`

Example: `C:\>DEL <y file>`

10, PATH = sets or displays directories that will be searched for programmes not in the current directory.

Syntax

`C:\>PATH`

`C:\>path \program; \files \staty: date 2`

11, PROMPT = - this command is used

to change the prompt

Syntax

`C:\>prompt`

Example of prompt command

\$P current default directory

\$G (greater than sign)

\$D system data

\$T system time

\$V version number

\$\$\$ sign

-the usual prompt is \$P\$G displays C:\> when root directory.

12. VER : Ver stand for version - this command shows the current version of DOS which we are using now

Syntax C:\>VER

Example : MS DOS version 6.20

13. VOL : -this command display the label of the disk in the specified drive

Syntax : C:\>VOL

Example.

Volume in drive C

Syntax :

```
C:\>vol
```

Example

volume in drive C

volume serial number 783C C-8UCE

14, CLS : CLS stands for clear-the

screen By using this command we can
clear the monitor screen

Syntax

```
C:\>CLS
```

15, date : -this command display the
system date -the system display current
date and asks to enter new date

It displays

Syntax :

```
C:\>date
```

Current date : sat-04-03-09

-Enter new date (mm-dd-yy)

16, time : -this command display the
current time and enables it to be
changed if required

Syntax :

C:\> date

It display as follows.

current time 1:15:30

Enter new time

17, type : - This Command display the contents of a file

Syntax

C:\> type <file name>

EXTERNAL COMMANDS

⇒ : Some Commands are do not need to be loaded into memory time you boot because they are not used frequently or they are large and up large amount of memory space.

1, Backup : - This Command is used to make backup copies of the mentioned files or all the file in a directory or drive

Syntax

```
C:\>Backup c:
```

2, Restore :- This Command restores all files which were backed up previously

Syntax

```
C:\>Restore A:c:
```

3 ATTRIB :- ATTRIB stand for Attributes of a file - This Command is to change the attributes of a file - that is to hide a file or to make it read only or vice versa.

Syntax

```
C:\>ATTRIB <filename> (+h) or (-h) or  
(+r) or (-r)
```

Attributes :-

[+h] = to hide a file

[-h] = to display a file

[+r] = to make writable a file

[-r] = to make read only a file

4) CHKDSK: CHKDSK stands for check disk. - This command is used to check a disk's formatted size and available memory space.

Syntax

```
C:\>CHKDSK C
```

5) DISKCOPY :- This command copies entire floppy disk track by track into another disk

Syntax :-

```
C:\>DISKCOPY A:B
```

6, COMP :- COMP stands for compare we can compare two or more files whether they are same or not by using - this command.

Syntax

```
C:\>COMP A\B.COM | C\B.COM (A)
```

7. disk Comp :- This Command is also used to compare. But - the different of these two is - the Comp Command compares files where as - this Command compare two different diskettes

Syntax :-

```
C:\> disk Comp A : B :
```

8. format :- This Command used to format a new disk

```
C:\> format A :
```

9. print :- with the help of this Command we can take hard copies of a file or group of files through printer

Syntax :-

```
C:\> print <file name>
```

10. RECOVER :- This Command recovers damaged file (that is file with bad sectors)

Syntax

```
C:\> RECOVER <file name>
```

11, REPLACE :-

- This command we can update a set of files in one directory or drive with another set of similarly named file in another directory or drive.

Syntax :

```
C:\> Replace % / * c:\students
```

12) LABEL :-

- This command is used to add or delete or modify the volume label of floppy or hard disk

Syntax

```
C:\> LABEL A STUD
```

STUD become the label of the disk in drive A

13, FIND :-

By using -this command user can search for -text- within a file

Syntax

```
C:\> find marks*.txt
```

14, EDIT :-

-this command allows a user to view, create, and/or modify -their- files which are already created

Syntax :-

```
C:\> edit <file name
```

⇒ MS-DOS (Microsoft Disk Operating System) played a pivotal role.

⇒ in the history of personal Computing.

Its simplicity, compatibility and command line interface made it a foundational operating system.

⇒ during the formative years of the Computer Industry.

⇒ Many more upgraded newer versions of MS-DOS, more powerful and most advanced operating system.

References :-

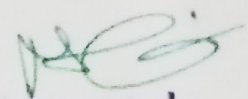
Information Technology
(Telugu Akademi)

- Dr. B. Sandhya Rani
Sri Mr. Gajendra babu P.G.K.

D/c Arts

Head

Department of Computer Science
TTWRDC (G) Mulugu-643



Principal

TTWRDC (G) MULUGU -643
at PMRC ITDA ETURNAGARAM
Dist: MULUGU - 506165