# **Contents**

# (This was made in 2019 by Madhav Sirohi)

- 1.Network Configuration and Open Source Software used in School.
- 2. Solutions of 12 simple and 2 Database Connectivity problems using NetBeans IDE.
- 3. Some SQL queries.
- 4.Two Web pages made with HTML.

# 1.Network Configuration and Open Source Software used in School.

**Network Topology:** 

Bus Topology is used in the school in which there is a main powerful Server to which multiple Clients are connected. This is accomplished by using Client and Server Software.

Open Source Software Packages used:

- VLC Media Player
- My SQL
- Mozilla Firefox... etc.

### **2.Java Applications:**

### **Contents**

- 1. Displaying a message using Label.
- 2. Making a calculator for + and operations.
- 3. Displaying a message using Message Dialog.
- 4. Concatenating two Strings.
- 5. Voting eligibility tester.
- 6. Marks to Grade converter.
- 7. Profit calculator.
- 8. Result calculator.
- 9. Multiplication generator.
- 10. Super-Market Discount Calculator.
- 11. Changing Background Colour of a label on the basis of selected value from a list.
- 12. Changing Background image of a label on the basis of selected value from a list.
- 13. Retrieving data from dept table from test MySQL Database from within Java GUI application.
- 14. Retrieving data from dept table from test MySQL Database from within Java GUI application on the basis of user defined criteria.

**Problem1:** Displaying a message using Label:

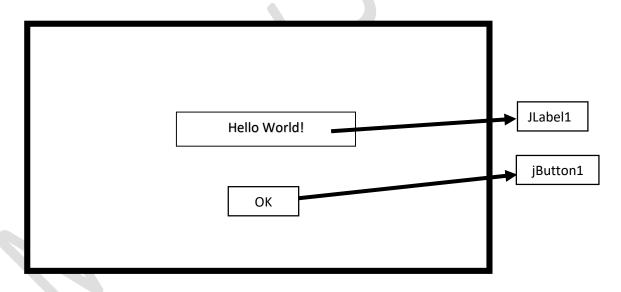
#### **Solution:**

Step1: Create a jFrameForm then add a jLabel and jButton to it to it.

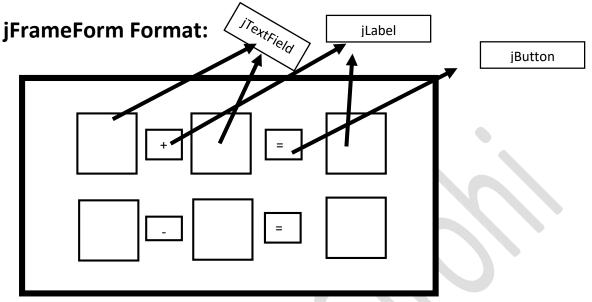
Step2: Set the text properties of the button to "OK" and of jLabel to null.

Step3: Double Click on the Button and add the following code in the Action Event Handler:

jLabel1.setText("Hello World!");



**Problem2:** Making a calculator for + and - operations:

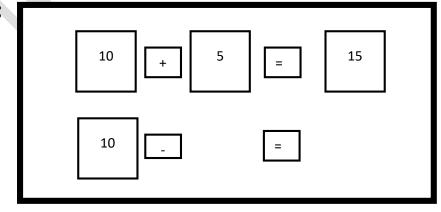


#### **Solution:**

Step1: Create the above shown jFrameForm then add jLabel(s), jTextField(s) and jButton(s) to it.

Step2: Double Click on the jButton and add the following code in the Action Event Handler:

int a= Integer.parseInt(jTextField1.getText()); int b=Integer.parseInt(jTextField2.getText()); jLabelSum.setText("" + (a+b));



**Problem3:** Displaying a message using Message Dialog:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton to it to it.

Step2: Set the text properties of the button to "Give me the Message.".

Step3: Double Click on the Button and add the following code in the Action Event Handler:

JOptionPane.showMessageDialog(null," Hello World!");

Note: Write this on the top of the source code editor(import for JOptionPane):

Import javax.swing.jOptionPane;



**Problem4:** Concatenating two Strings.

#### **Solution:**

Step1: Create a jFrameForm then add a jButton, 2 jTextField(s) and a jLabel to it to it.

Step2: Set the text properties of the button to "Concatenate" and of the text field(s) and jTextArea to null (keep them empty).

Step3: Double Click on the Button and add the following code in the Action Event Handler:

jLabel1.setText(jTextField1.getText() + jTextField2.getText());



**Problem5:** Voting eligibility tester:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton and a jTextField to it to it.

Step2: Set the text properties of the button to "Test" and of the text field to null(keep it empty).

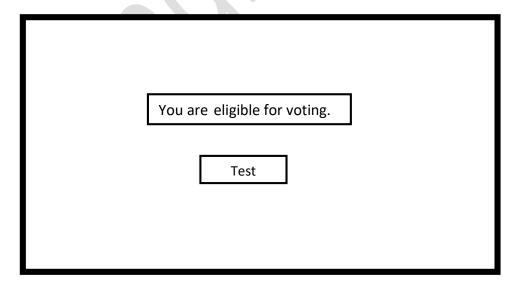
Step3: Double Click on the Button and add the following code in the Action Event Handler:

Int age = Integer.parseInt(jTextField1.getText());
if (age>=18)

jTextField1.setText("You are eligible for voting.");

else

jTextField1.setText("You are not eligible for voting.");



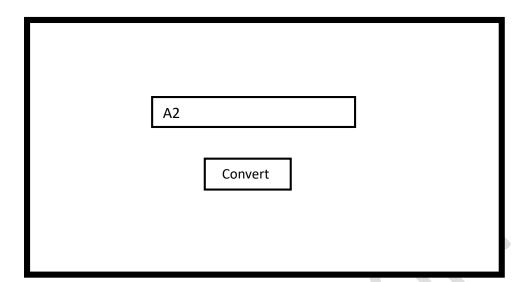
**Problem6:** Marks to Grade converter:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton and a jTextField to it to it.

Step2: Set the text properties of the button to "Covert" and of the text field to null(keep it empty).

```
Int marks = Math.round(Integer.parseInt(jTextField1.getText()));
if (marks>=91 && marks<=100)
jTextField1.setText("A1");
if (marks>=81 && marks<=90)
jTextField1.setText("A2");
if (marks>=71 && marks<=80)
jTextField1.setText("B1");
if (marks>=61 && marks<=70)
jTextField1.setText("B2");
if (marks>=51 && marks<=60)
jTextField1.setText("C1");
if (marks>=41 && marks<=50)
jTextField1.setText("C2");
if (marks>=31 && marks<=40)
jTextField1.setText("D1");
if (marks<=30)
¡TextField1.setText("D2");
```



#### **Problem7:** Profit calculator:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton and two jTextField(s) to it to it.

Step2: Set the text properties of the button to "Calculate Profit" and of the text field(s) to 'Insert Sales here' and null(keep it empty).

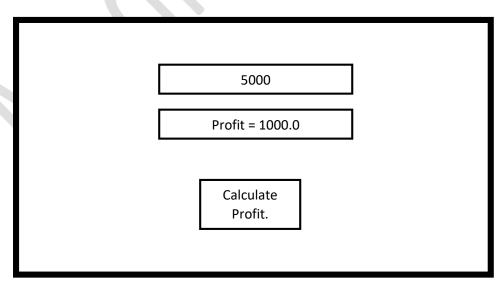
Step3: Double Click on the Button and add the following code in the Action Event Handler:

```
Double sales = Double.parseDouble(jTextField1.getText());
if (sales>=2000.00)
jTextField2.setText("Profit =" + (sales*0.2));
```

jTextField2.setText("No Profit");

### **Output:**

else



#### **Problem8:** Result calculator:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton, 5 jTextField(s) and a jTextArea to it to it.

Step2: Set the text properties of the button to "Calculate" and of the text field(s) and jTextArea to null (keep them empty).

```
int m1 = Integer.parseInt(jTextField1.getText());
int m2 = Integer.parseInt(jTextField2.getText());
int m3 = Integer.parseInt(jTextField3.getText());
int m4 = Integer.parseInt(jTextField4.getText());
int m5 = Integer.parseInt(jTextField5.getText());
int sum= m1+m2+m3+m4+m5;
jTextArea1.setText("Total = " + (sum) + ", " + "Percentage = " + (sum*0.2) + ", " + "Average = " + (sum/5) + ".");
```

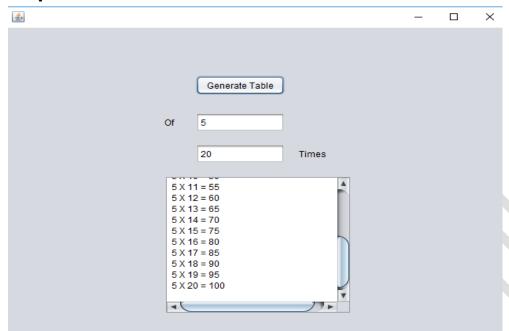
<u>\$</u>				_	$\times$
	97				
	95				
	98		Calculate		
	85				
	96				
	Total =471, Percentage =	94.2, Average = 94.			

**Problem9:** Multiplication generator:

#### **Solution:**

Step1: Create a jFrameForm then add a jButton,2 jTextField(s) and a jTextArea to it to it.

Step2: Set the text properties of the button to "Generate" and of the text field(s) and jTextArea to null (keep them empty).



**Problem10:** Super-Market Discount Calculator:

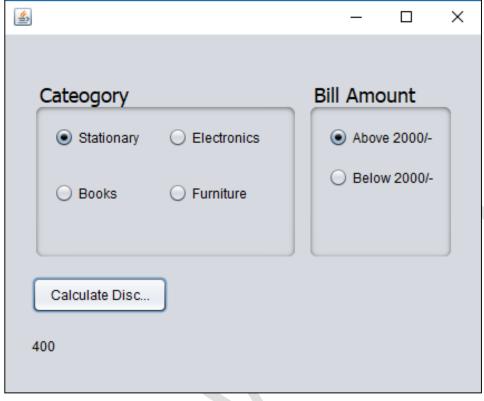
#### **Solution:**

Step1: Create a jFrameForm then add a jButton, a jLabel, 2 Button-Group(s), 2 jPanel(s) and 6 jRadioButton(s) (Four in one panel and one group and the other two in the other panel and group.) to it.

Step2: Set the text properties of the button to "Calculate Discount" and of jRadioButton(s) to "Stationary", "Electronics", "Books", "Furniture", "Above 2000/-" and "Below 2000/-".

```
int discount=0;
   if(jRadioButton1.isSelected())
      discount=500;
```

### if(jRadioButton2.isSelected())



```
discount=300;
  if(jRadioButton3.isSelected())
    discount=200;
  if(jRadioButton4.isSelected())
    discount=100;
  if(jRadioButton5.isSelected())
    discount +=100;
  jLabel1.setText(""+ discount);
Output:
```



**Problem11:** Changing Background Colour of a label on the basis of selected value from a list.

### **Solution:**

Step1: Create a jFrameForm then add a jButton, a jLabel, and a jList to it to it.

Step2: Set the text properties of the button to "OK" and of Label to null(keep it empty) and List's model to "Blue, Red, Green, Yellow, Cyan".

Step3: Double Click on the Button and add the following code in the Action Event Handler:

switch (jList1.getSelectedIndex())

{case -1: jLabel1.setBackground(Color.white); break;

case 0: jLabel1.setBackground(Color.blue); break;

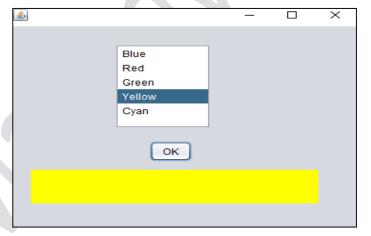
case 1: jLabel1.setBackground(Color.red); break;

case 2: jLabel1.setBackground(Color.green); break;

case 3: jLabel1.setBackground(Color.yellow); break;

case 4: jLabel1.setBackground(Color.cyan); break; }

#### **Output:**



**Problem12:** Changing Background image of a label on the basis of selected value from a list.

#### **Solution:**

Step1: Create a jFrameForm then add a jButton, a jLabel, and a jList to it to it.

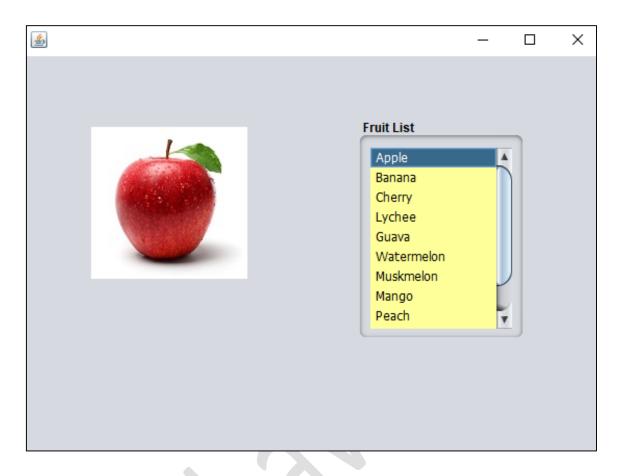
```
Step2: Set the text properties of the button to "OK" and of Label to null (keep it empty) and List's model to "Apple, Banana, ...".

Step3: Add the following code in the ValueChanged Event
```

Step3: Add the following code in the ValueChanged Event Handler of list:

```
int i= jList1.getSelectedIndex();
    switch (i)
    { case 0:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\apple.jpg")); break;
      case 1:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\banan.jpg"));break;
      case 2:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\cherr.jpg"));break;
      case 3:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\lichhi.jpg"));break;
      case 4:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\guava.jpg"));break;
      case 5:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\Water.jpg"));break;
      case 6:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\musk.jpg"));break;
      case 7:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\mang.jpg"));break;
      case 8:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\peach.jpg"));break;
      case 9:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\kiwi.jpg"));break;
      case 10:imgLabel.setIcon(new ImageIcon("D:\\java
projects\\TestGrounds\\grap.jpg"));break;
```

}



**Problem 13:** Retrieving data from dept table from test MySQL Database from within Java GUI application.

### **Solution:**

Step1: Start NetBeans Java Application project, add a JFrame Form to it.

Step2: Add a table (namely depTbl) to the frame's design space. Edit its model property to set its number of rows as 0, Columns as 3 and Column Titles as DeptNo, Dname, Location.

Step3: Now add a button to the design space below the table and name it as rtrBtn.

Step4: Now open the Projects Window. Expand the Libraries node of your project. Right click on the Libraries node and click on Add JAR/Folder option. Then select mysql-connector-java bin file after browsing your PC and click Open, so that it gets added to the library node of your project.

Step5: In the source code editor of your project, type the following code line at the top line of it:

import java.sql.\*;

```
DefaultTableModel model=(DefaultTableModel)depTbl.getModel();

try {Class.forName("java.sql.Driver");

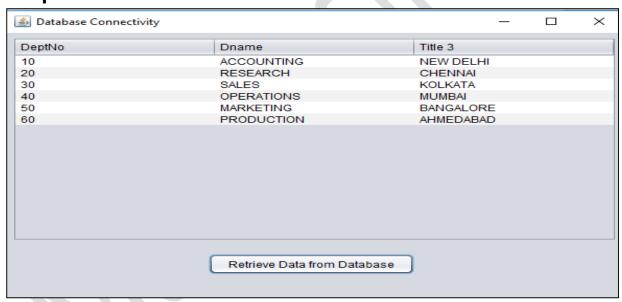
Connection con= DriverManager.getConnection(
   "jdbc:mysql://localhost/test","root","*******");

Statement stmt=con.createStatement();

String query="select * from dept;"; //Required Query

ResultSet rs=stmt.executeQuery(query);
```

```
while(rs.next())
    {String dno=rs.getString(1);
    String dname=rs.getString(2);
    String lc= rs.getString(3);
    model.addRow(new Object[]{dno,dname,lc});}
    rs.close();
    stmt.close();
    con.close();}
catch(Exception e){ JOptionPane.showMessageDialog(null,"Error in Connectivity."); }
```



**Problem 14:** Retrieving data from dept table from test MySQL Database from within Java GUI application on the basis of user defined criteria.

#### **Solution:**

Step1: Start NetBeans Java Application project, add a JFrame Form to it and design it as follows:



Step2: Import required Classes and Libraries:

Import java.sql.\*;

Import javax.swing.table.DefaultTableModel;

Import javax.swing.JOptionPane;

and mysql-java-connector's bin file.

Step3: Double Click on the Empty Table Button and add the following code in the Action Event Handler:

DefaultTableModel model=(DefaultTableModel)deptTbl.getModel();

int rows=model.getRowCount();

if(rows>0) { for(int i=0;i<rows;i++) { model.removeRow(0); } }</pre>

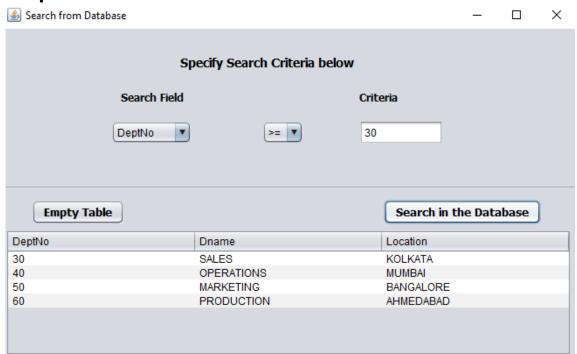
Step4: Double Click on the Search in Database Button and add the following code in the Action Event Handler:

emptyBtn.doClick();

DefaultTableModel model=(DefaultTableModel)deptTbl.getModel();

try {

```
Class.forName("java.sql.Driver");
Connection con=
DriverManager.getConnection("jdbc:mysql://localhost/test","root","*****")
Statement stmt=con.createStatement();
String sfld=(String)srchFldCBX.getSelectedItem();
String op=(String) opCbx.getSelectedItem();
String crit=criteriaTF.getText();
String query="select * from dept "+"where "+sfld+op+crit+";"; //RequiredQuery
ResultSet rs=stmt.executeQuery(query);
while(rs.next())
      String dno=rs.getString(1);
{
      String dname=rs.getString(2);
      String Ic= rs.getString(3);
      model.addRow(new Object[]{dno,dname,lc});
                                                       }
      rs.close();
      stmt.close();
      con.close(); }
catch(Exception e)
{
JOptionPane.showMessageDialog(null,"Error in Connectivity."); }
```



### 3.SQL Queries:

### **Contents**

Query 1: Creating a Database

Query 2: Creating Table empl with columns (empno, ename, job,

mgr, hiredate, sal, comm, deptno)

Query 3: Use desc/Describe to view the structure of a Table:

Query 4: Inserting a Record into the Table

Query 5: Inserting multiple Records into the Table

Query 6: Creating a view from a Table

Query 7: Creating a view from a Table based on certain criteria

Query 8: Doing operations on Columns

Query 9: Assigning Column Alias

**Query 10: Inserting Comments** 

Query 11: Searching based on character sequence

Query 12: Use of ALL keyword

Query 13: Performing simple Calculations

Query 14: Range based selection

Query 15: List based Selection

Query 16: Searching for NULL

Query 17: Sorting Results of select statement

Query 18: Using char() and ascii() function

Query 19: Using Concat() function

Query 20: Using Substring() function

Query 21: Using Lower()/Lcase() function

Query 22: Displaying current Date and Time

Query 23: Declaring Primary Key

Query 24: Dropping a Table



**Query 1: Creating a Database:** 

**Source Code:** create database Project1;

Output: Query OK, 1 row affected (1.08 sec)



Query 2: Creating Table empl with columns (empno, ename, job, mgr, hiredate, sal, comm, deptno):

**Source Code:** 

use Project1;

create table empl(empno int(4),ename varchar(30),job varchar(20),mgr int(4),hiredate date,sal int(8),comm int(8),deptno int(2));

**Output: Database changed** 

Query OK, 0 rows affected (3.16 sec)

# Query 3: Use desc/Describe to view the structure of a table:

Source Code: desc empl; OR describe empl:

mysql> des	cribe empl;	-+	-++
Field	Туре	Null   Key	Default   Extra
+	-+	-+	++
empno	int(4)	YES	NULL
ename	varchar(30)	YES	NULL
job	varchar(20)	YES	NULL
mgr	int(4)	YES	NULL
hiredate	date	YES	NULL
sal	int(8)	YES	NULL
comm	int(8)	YES	NULL
deptno	int(2)	YES	NULL
+	+	-+	++
8 rows in	set (0.82 sec)		

**Query 4: Inserting a Record into the Table:** 

Source Code: insert into empl values(8369,'Smith','Clerk',8902,"19901218",800.00,NULL,2 0);

Output: Query OK, 1 row affected (0.23 sec)



**Query 5: Inserting multiple Records into the Table:** 

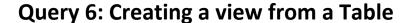
Source Code: insert into empl values(8499,'Anya','Salesman',8698,"1991-2-20",1600.00,300.00,30),(8521,'Seth','Salesman',8698,"1991-2-

22",1250.00,500.00,30),(8566,'Mahadevan','Manager',8839, "1991-4-

2",2985.00,NULL,20),(8654,'Momin','Salesman',8698,"1991-9-28",1250.00,1400.00,30);

Output: Query OK, 4 rows affected (0.38 sec)

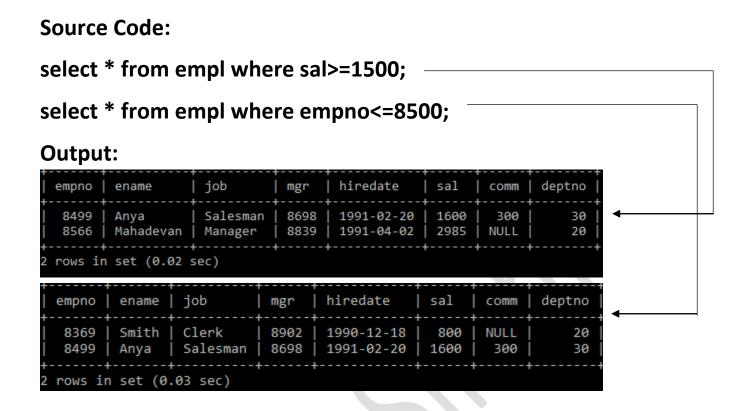
Records: 4 Duplicates: 0 Warnings: 0



Source Code: select \* from empl;

empno   e	ename	job	mgr	hiredate	sal	comm	deptno
8499   <i> </i>   8521   9   8566   1	Smith   Anya   Seth   Mahadevan   Momin	Clerk Salesman Salesman Manager Salesman	8902 8698 8698 8839 8698	1990-12-18 1991-02-20 1991-02-22 1991-04-02 1991-09-28	800 1600 1250 2985 1250	NULL 300 500 NULL 1400	20   30   30   20   30
+++++++							





**Query 8: Doing operations on Columns:** 

Source Code: select empno+1, ename, job from empl;

empno+1	ename	job				
8370 8500 8522 8567 8655	Smith   Anya   Seth   Mahadevan   Momin	Clerk   Salesman   Salesman   Manager   Salesman				
5 rows in set (0.05 sec)						



**Query 9: Assigning Column Alias:** 

# Source Code: select empno+1 as "incremented \_empno",ename,job from empl;

incremented_empno	ename	job			
8370 8500 8522 8567 8655	Smith Anya Seth Mahadevan Momin	Clerk   Salesman     Salesman     Manager   Salesman			
++ 5 rows in set (0.02 sec)					



### Source Code: mysql> select \* from dept -- single line comment

```
-> #Another single line comment
```

```
-> /* Multi
/*> line
/*> comment*/
```

### **Output:**

**->**;

```
mysql> select * from dept -- single line comment
    -> #Another single line comment
    -> /* Multi
          line
          comment*/
 DeptNo | Dname
                       Location
      10
           ACCOUNTING
                        NEW DELHI
      20
          RESEARCH
                        CHENNAI
           SALES
                        KOLKATA
      30
           OPERATIONS
      40
                        MUMBAI
      50
           MARKETING
                        BANGALORE
           PRODUCTION
                       AHMEDABAD
  rows in set (0.00 sec)
```

### **Query 11: Searching based on character sequence:**

Source Code: mysql> select \* from dept where Dname like 'A%';



Source Code: mysql> select all location from dept;



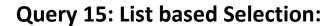
Source Code: mysql> select all location from dept;

```
mysql> select 12*13+1;
+-----+
| 12*13+1 |
+-----+
| 157 |
+-----+
1 row in set (0.03 sec)
```



**Query 14: Range based selection:** 

Source Code: mysql> select \* from dept where DeptNo between 20 AND 40;



#### **Source Code:**

- 1. mysql> select \* from dept where Location in('NEW DELHI','KOLKATA','MUMBAI');
- 2. mysql> select \* from dept where Location not in('NEW DELHI','KOLKATA','MUMBAI');

#### **Output:**

1.

2.

## **Query 16: Searching for NULL:**

#### **Source Code:**

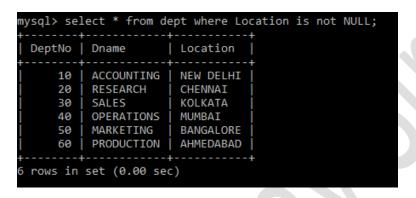
- 1. mysql> select \* from dept where Location is NULL;
- 2. mysql> select \* from dept where Location is not NULL;

#### **Output:**

1.

```
mysql> select * from dept where Location is NULL;
Empty set (0.00 sec)
```

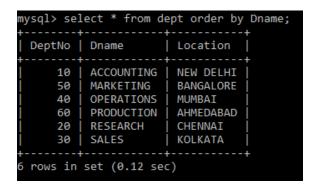
2.

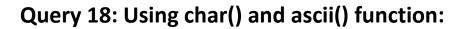


#### **Query 17: Sorting Results of select statement:**

Source Code: mysql> select \* from dept order by Dname;

## **Output:**





**Source Code:** 

- 1. mysql> select char(65);
- 2. mysql> select ascii("a");

## **Output:**

1.

2.

```
mysql> select ascii("a");

+------+

| ascii("a") |

+------+

| 97 |

+-----+

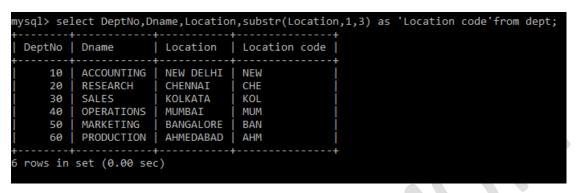
1 row in set (0.00 sec)
```

# **Query 19: Using Concat() function:**

Source Code: mysql> select DeptNo, concat(Dname,' is located in ',Location,'.') as "Dname with Location" from dept;

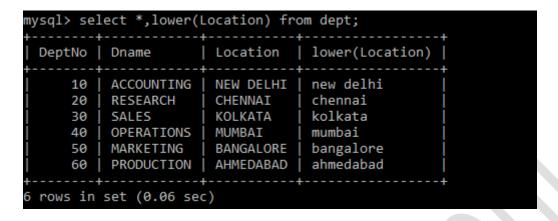


Source Code: mysql> select DeptNo,Dname,Location,substr(Location,1,3) as 'Location code'from dept;



Query 21: Using Lower()/Lcase() function:

Source Code: mysql> select \*,lower(Location) from dept;
Output:





Source Code: mysql> select sleep(2),sysdate(),now();

```
mysql> select sleep(2),sysdate(),now();

+-----+
| sleep(2) | sysdate() | now() |

+----+
| 0 | 2019-01-09 18:56:37 | 2019-01-09 18:56:35 |

+----+
1 row in set (2.00 sec)
```



Source Code: mysql> create table sample(S\_No int Primary Key,name varchar(254),address varchar(254),hiredate date);

## **Output:**

mysql> create table sample(5\_No int Primary Key,name varchar(254),address varchar(254),hiredate date) Query OK, 0 rows affected (2.99 sec)



**Query 24: Dropping a Table:** 

Source Code: mysql> drop table sample;

**Output:** 

```
mysql> drop table sample;
Query OK, 0 rows affected (1.51 sec)
```



# 4.Two Web pages made with HTML

#### **Home Page:**

#### **Source Code:**

```
<HTML>
```

<HEAD>

<TITLE>AnimalPedia</TITLE>

</HEAD>

<BODY topmargin=50 leftmargin=20 text=white bgcolor=teal link=pink vlink=Black>

<font face="Amarillo" size=4 color=cream> <H1 align=center>Animalpedia</H1> </font>

<font size=4>

<P align=center><font size=5>A</font>nimal: Any of the living Organisms belonging to the Kingdom Animalia.<BR>Eg. Sponges, Hydra, Flatworms, Butterfly, Lemurs, Humans and many more...</P>

<P aling=left>Animals are multicellular eukaryotic organisms that form the biological kingdom Animalia. With few exceptions, animals consume organic material, breathe oxygen, are able to move, reproduce sexually, and grow from a hollow sphere of cells, the blastula, during embryonic development. Over 1.5 million living animal species have been described—of which around 1 million are insects—but it has been estimated there are over 7 million animal species in total. Animals range in length from 8.5 millionths of a metre to 33.6 metres (110 ft) and have complex interactions with each other and their environments, forming intricate food webs. The study of animals is called <1>Zoology</1>.(From <B>Wikipedia</B>)</P>

<Center>-<U>Some wonderful Animals</U>-</Center>

<HR noshade width=80% size=10 color=white>

<HR noshade width=70% size=8 color=white>

<HR noshade width=60% size=6 color=white><BR><BR>

<Center><img src=lion.jpg alt="Lion" border=5>

<img src=koala.jpg alt="Koala" border=5>

```
<img src=shark.jpg alt="Shark" border=5>
</Center>
<P>Above Shown Animals:</P>
<DL compact>
<DT>l ion:
<DD>The lion is a species in the family Felidae; it is a muscular, deep-chested
cat with a short, rounded head, a reduced neck and round ears, and a hairy
tuft at the end of its tail. (From Wikipedia)
<DT>Koala:
<DD>The koala is an arboreal herbivorous marsupial native to Australia. It is
the only extant representative of the family Phascolarctidae and its closest
living relatives are the wombats, which comprise the family Vombatidae.(From
Wikipedia)
<DT>Shark:
<DD>Sharks are a group of elasmobranch fish characterized by a cartilaginous
skeleton, five to seven gill slits on the sides of the head, and pectoral fins that
are not fused to the head. Modern sharks are classified within the clade
Selachimorpha and are the sister group to the rays. (From Wikipedia)
</DL>
<Center>Support us by filling our Form, <A href=Form_1.html title="Link to"</p>
open the Form.">Here</A>.</Center>
</font><!---Basic font for the text--->
</BODY>
</HTML>
```

#### **Form for the Home Page:**

<HTML>

```
<HEAD><TITLE>Submit Form</TITLE></HEAD>
<BODY topmargin=50 leftmargin=20>
<CENTER><H1>Form for submitting Animal
Information</H1></CENTER>
<FORM name=f1 action="Confirm.html" method="get">
Common Name: <INPUT type=text name=nm value="type here"
maxlength=30>
<BR><BR>Scientific Name: <INPUT type=text name=s nm>
<BR><BR>
     Eating Habits:
     <Table border=1><TR><TD valign=top:
     <BR>
     <INPUT type="radio" name="rg" value="Herbivore">Herbivore
<INPUT type="radio" name="rg" value="Carnivore">Carnivore
     <BR>
     <INPUT type="radio" name="rg" value="Omnivore">Omnivore
<INPUT type="radio" name="rg" value="Scavengers">Scavengers
     </TD></TR><Table>
<BR><BR>
Habitat: <INPUT type=test name="hb">
<BR><BR>
Behaviour:
<BR><textarea rows=5 cols=50 name=bh>Enter Details...</textarea>
<BR><BR>
Special Identification Traits:
```

```
<BR>
<INPUT type=checkbox name=c1 value="Contrasting"</pre>
Strips">Contrasting Strips <INPUT type=checkbox name=c2
value="Contrasting Spots">Contrasting Spots <INPUT type=checkbox
name=c3 value="Huge Body Size">Huge Body Size <INPUT
type=checkbox name=c4 value="Claws">Claws
<BR><BR>
If any other, then specify here:
<BR><INPUT type=text name=id t size=50>
<BR><BR><INPUT type=submit name=sub value="Submit Above
Information">
<INPUT type=reset name=res value="Reset">
</FORM>
<A href=Animal Information><Center>Return to
Homepage</Center></As>
</BODY>
</HTML>
                       Confirm Page:
<HTML>
<HEAD><TITLE>CONFIRMATION_PAGE</TITLE></HEAD>
```

<BODY topmargin=50> <HR><HR width=80%><HR width=60%>

<H1 align=center>Form Submitted.</H1>

<HR width=60%><HR width=80%><HR>

</BODY> </HTML>