ASSIGNMENT-3

Name: N.Hima Varsha

Reg. No: 20BCE7279

FOR DISPLAYING RECORDS:

```
public class .DRCExample just
   # SHICP
    al Labor
                                                                                                                                                                                                                         public static wold main(String() orgs) (
» El Smart Bridge
                                                                                                                                                                                                                                                 try (
        - iff sic
                                                                                                                                                                                                                                                                //i. megation the driver
Class.forWome("com mysql.jdbc.Driver");
//i.establish the connection
Connection com-arriverManager.getConnection("jdbc.mysql://lacalMost:3385/essignment2", "root", "Shangawi2883"598");
//i.create a statement
Statement itemiscone, (resteStatement();

    B Java
    B Java
    B Jacon Ubrary (Number 10)

→ B. Referenced Litraries
→ B. mysql-connector j-8.033 jar - CV

    Bil Strings
                                                                                                                                                                                                                                                                  //E.execute the query
ResultSet rs-stat.executeQuery("Select." From department");
                                                                                                                                                                                                                                                                 while(rs.next()) {
    System.out.printin(rs.getInt(1)+" "+ rs.getInt(2)+" "+rs.getString(3));
      Sid test project
                                                                                                                                                                                                                                                 catch(Exception =) (
                                                                                                                                                                                                                    9
                                                                                                                                                                                                       1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ■ 英格 本面 ● 原列 田 □ + □ +
                                                                                                                                                                                            # Problems ■ Arradioc | Declaration © Console □
                                                                                                                                                                                            -terminated: DDEClarage Dawa Application! CVUlent personal/Downloadsetting awa 2000-12-R-win32-886 54 actions playing organization personal connection of the control of
                                                                                                                                                                                          Looding Class
1 1 CSE
3 2 MECH
2 3 ECE
4 20 MATH
5 23 EMG
```

PREPARED STATEMENT TO INSERT VALUES FROM USER:

```
//3.create a statement
                                                               PreparedStatement stmt=conn.prepareStatement("insert into
department values(?,?,?)");
                                                               stmt.setInt(1, 6);
                                                              stmt.setInt(2, 50);
                                                               stmt.setString(3,"CIVIL");
                                                               //4.execute the query
                                                                  int result=stmt.executeUpdate();
                                                          System.out.println("result" + result);
                                                               //5.close the connection
                                                              conn.close();
                                         catch(Exception e) {
                                                               e.printStackTrace();
                                         }
                           }
}
                                                                                                                                                                                                                                                             ■異様(海頭||季柳||世日-1
        II Problems ■ Javadoc III Declaration © Console III
       <terminated> //DBCExample [Java Application] C\User\u00e4persona\u00e4\u00dfreclipse-java-2020-12-R-win32-86_64\u00e4clipse\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor\u00e4grigor
       loading class 'com.mysql.jdbc.Oriver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically reg
              Edit:
                           sno
                                                 departmentid
                                                                                               departmentName
                                                                                             CSE
                         1
                                               1
                         3
                                               2
                                                                                             MECH
                         2
                                                                                             ECE
                         4
                                               20
                                                                                            MATH
                         5
                                               23
                                                                                             ENG
                         6
                                               50
                                                                                             CIVIL
                                              RUITE
                                                                                            MULL
                       NULL
             department 3 x
```

INPUT FROM USER USING A SCANNER CLASS:

```
Class.forName("com.mysql.jdbc.Driver");
                //2.establish the connection
                Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Bhargavi2003*5##");
                //3.create a statement
                PreparedStatement stmt=conn.prepareStatement("insert into
department values(?,?,?)");
                Scanner in=new Scanner(System.in);
                System.out.println("please enter the sno");
                int sno=in.nextInt();
                 stmt.setInt(1, sno);
                 System.out.println("please enter dept id");
                 int departmentid=in.nextInt();
                 stmt.setInt(2, departmentid);
                 System.out.println("Please enter dept name");
                 String departmentName=in.next();
                 stmt.setString(3, departmentName);
                 int result=stmt.executeUpdate();
               System.out.println("result " + result);
                //5.close the connection
                conn.close();
          }
          catch(Exception e) {
               e.printStackTrace();
          }
       }
}
  Problems @ Javadoc ᠍ Declaration ☐ Console ♡
  <terminated> JDBCExample [Java Application] C:\Users\personal\Downloads\eclipse-java-2020
  Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new dri
  please enter the sno
  please enter dept id
  Please enter dept name
  CHE
  result 1
  departmentid
                       departmentName
                       CSE
     1
           1
     3
           2
                       MECH
           3
                       ECE
     4
           20
                       MATH
     5
           23
                       ENG
     7
           34
                       CHE
           50
                       CIVIL
     6
     NULL
          NULL
                       HULL
```

FOR DELETING RECORD:

```
package Java;
import java.sql.Connection
```

```
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.Statement;
import java.util.Scanner;
import java.sql.ResultSet;
import java.sql.SQLException;
public class JDBCExample {
       public static void main(String[] args) {
              // TODO Auto-generated method stub
          try {
                //1, Register the driver
                Class.forName("com.mysql.jdbc.Driver");
                //2.establish the connection
                Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Bhargavi2003*5##");
                //3.create a statement
              Statement stmt=conn.createStatement();
              String sql="DELETE FROM department WHERE departmentId=50";
              int result= stmt.executeUpdate(sql);
              System.out.println("result "+result);
                conn.close();
          catch(Exception e) {
                e.printStackTrace();
          }
      }
 Problems @ Javadoc 🚇 Declaration 📮 Console 🖾
 <terminated> JDBCExample [Java Application] C:\Users\personal\Downloads\eclipse-java-2020-12-R-win32-x86_64\ecli
 Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is
 result 1
 Edit:
           departmentid
                       departmentName
                      CSE
     1
           1
     3
          2
                      MECH
     2
                      FCF
           3
          20
     4
                      MATH
     5
          23
                      ENG
     7
           34
                      CHE
                      NULL
```

FOR UPDATING RECORD:

```
package Java;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
```

```
import java.sql.Statement;
import java.util.Scanner;
import java.sql.ResultSet;
public class JDBCExample {
       public static void main(String[] args) {
               // TODO Auto-generated method stub
     try {
        //1, Register the driver
         Class.forName("com.mysql.jdbc.Driver");
        //2.establish the connection
         Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root","Bhargavi20
03*5##");
        //3.create a statement
        Statement stmt=conn.createStatement();
        String sql="UPDATE department SET departmentName='CIVIL' WHERE sno=4";
        int result=stmt.executeUpdate(sql);
        System.out.println("result "+result);
        ResultSet rs=stmt.executeQuery("select * from department");
        while(rs.next()) {
                System.out.println(rs.getInt(1)+" "+rs.getInt(2)+" "+rs.getString(3));
        }
        conn.close();
     }
     catch(Exception e) {
         e.printStackTrace();
     }
       }
}
```

```
Problems @ Javadoc ☑ Declaration ☑ Console ☒
<terminated > JDBCExample [Java Application] C:\Users\personal\Downloads\eclips
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The
result 1
1 1 CSE
3 2 MECH
2 3 ECE
4 20 CIVIL
5 23 ENG
7 34 CHE
```