Assignment -3

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1). FOR DISPLAYING RECORDS:

```
public class #DMCfxample jure :
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 a El Labore
                                                                                   public static wold main(String() orgs) {
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//Z.establish the charaction
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    JE System Library (harder 15)
    M. Referenced Libraries

                                                                                                   Connection conn-DriverManager.getConnection("jdbc:mysql://localhost:3386/assignamet2", "root", "Shargavi2883"5##");
        - B myspi-corrector - 8.033 jar - CVX
                                                                                                  Statement stwt-conn.createStatement();
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Asserts the quiry
ResultSet ra-stet.esecuteQuery("Select " from deportment");
while(rs.eset()) {
    System.our.println(rs.getInt(1)+" "+ rs.getInt(2)+" "+rs.getString(3));
}
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   $6 test_project
   tourists.
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//S.close the consection
com.close();
                                                                                             catch(Exception =) (
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                                                                        Loading class
1 1 CSE
3 2 MECH
2 3 ECE
4 28 MATH
5 23 EMG
```

2.1). PREPARED STATEMENT TO INSERT VALUES FROM USER:

```
package Java;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.Statement;
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.qetConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Ramana@7242");
```

```
//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();
                                            }
                             }
}
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                                                  50
                                                                                                   CIVIL
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                        NULL
                                                 NULL
                                                                                                  NULL
              department 3 ×
```

2.2). INPUT FROM USER USING A SCANNER CLASS:

```
Class.forName("com.mysql.jdbc.Driver");
                //2.establish the connection
                Connection
conn=DriverManager.getConnection("jdbc:mysq1://localhost:3306/assignmnet2","root","
Ramana@7242");
                //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
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                       ENG
     7
           34
                       CHE
           50
                       CIVIL
     6
     NULL
          NULL
                       HULL
```

3). 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:mysq1://localhost:3306/assignmnet2","root","
Ramana@7242");
                //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
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 result 1
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                      CSE
     1
           1
     3
          2
                      MECH
     2
           3
                      FCF
     4
          20
                      MATH
     5
           23
                      ENG
           34
                      CHE
          EUR
```

4). 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"," Ramana@7242");
        //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
```