Modern Application Development (Java Spring Boot)

ASSIGNMENT-3

Name: Nikhil.G

Reg. No: 20BCE7200

1). FOR DISPLAYING RECORDS:

```
E % | □ □ Mainjees □ DBCixemplejees □ public class JBCixemple (
It Peckage Explorer 22
 SH CP.
                                                                                        public static wold main(String() args) (
 SI SDOT
                                                                                                  try {
//L Register the drive
//L Register the drive
   w iff are
                                                                                                        //l. Megisto the driver
(loss forWase('Cos mysql;doc.Driver');
//2.establish the connection
Commettion communityerNanager.getConnection("jdbc:wysql://localhost:3385/essignment2", "noot", "Shargaviz003"5##");
//3.create a statement
Statement stat-conn.createStatement();
         a lava
    # IRE System Library Ownide-150

    ■ Referenced Literaries
    ● mysql-connector (-8.033)ar - CVXvi

  tid Strings
                                                                                                         ResultSet rs-stat.executeQuery("Select " From department");
   set project
                                                                                                         while(rs.next()) {
   System.out.println(rs.getInt(1)+" "+ rs.getInt(2)+" "+rs.getString(3));
   se tourists
                                                                                                  catch(Exception e) (
                                                                                 1
                                                                                                                                                                                                                                                        · 林樹 中国 · 伊朗 | 中国 - 四 -
                                                                           terminated JOBC Laurage [Aww Application] Cycleriperune/()Cownload/effpre_aww.2020-12-R.win/2-eff_64/edipselplapining_edipse_putinsergetNompot_effaturit2.eff_64.15.01.
Loading class com.mysql.jdmc.Driver*. This is deprecated. The new driver class is com.mysql.cj.jdbc.Driver*. The driver is automatically rel 1 t 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.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Bhargavi2003*5##");
```

```
//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(お記》を形| → □ -

    Problems ■ Javadoc | Declaration □ Console | II
 loading class 'com.mysql.jdbc.Oriver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'
                                                                   . The driver is automatically re-
  result1
                                            Edit:
   departmentid
      sno
                        departmentName
      1
            1
                       CSE
            2
      3
                       MECH
      2
                       ECE
            3
      4
            20
                       MATH
      5
            23
                       ENG
      6
            50
                       CIVIL
     NULL
           NULL
                       NULL
   department 3 ×
```

2.2). INPUT FROM USER USING A SCANNER CLASS:

```
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",
"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
  departmentName
     sno
           departmentid
           1
                       CSE
     1
     3
           2
                       MECH
     2
           3
                       ECE
     4
           20
                       MATH
                       ENG
     5
           23
     7
           34
                       CHE
                       CIVII
     6
           50
          HULL
                       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: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:
 departmentName
     sno
           departmentid
                      CSE
     1
           1
     3
          2
                      MECH
     2
                      ECE
           3
     4
          20
                      MATH
     5
           23
                      ENG
          34
                      CHE
    RUE
```

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","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
```