# **SMARTBRIDGE EXTERNSHIP**

# **Modern Application Development (Java Spring Boot)**

# **ASSIGNMENT-3**

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**Reg. No:** 20BCE7197

# 1). FOR DISPLAYING RECORDS:

```
# Peckage Explorer :::
                                                     public class JUNCExample (
i Bil CP
                                                                                          public static wold main(String() args) (
   S SDOT
« Sil Smart Bridge
   ~ c™ sec
+ ∰ Java
                                                                                                          //l, megistor the driver
(Cos. forNome("cos.wysql.jdbc.Driver");
//l.establish the connection
Connection conn-DriverManager.getConnection("jdbc.wysql://localhost:3386/assignmnet2","root","Shargavi2003"5##");

    ME System Library (buids: 15)
    M. Referenced Libraries

                                                                                                           //3.create # statement
Statement stat=comm.createStatement();
        > @ mysgl-connectory-8,033 jar - Chokenty
   $1 Strings
                                                                                                          //4.coccute the quary
ResultSet re-stat.executeQuery("Select " Froe department");
while(rs.next()) {
    System.out.println(rs.getInt(1)+" "+ rs.getInt(2)+" "+rs.getString(3));
}
  W 575
   in test_project
  Sel tourists
                                                                                                          //S.close the connection com.close();
                                                                                                    catch(Exception e) (
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                                                                             3 2 MECH
2 3 ECE
4 20 MATH
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```

#### 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();
                                     }
                        }
}
                                                                                                                                                                                                                                  # Problems = Javadoc | Declaration - Console 33
      <terminated > IDBCExample [Java Application] C\(\)User\(\)persona\(\)Download\(\)\(\)eclipse\(\)give 2020-12 R\(\)win32-8B\(\)_64\(\)eclipse\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)give\(\)giv
       loading class 'com.mysql.jdbc.Oriver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically re
                                                                                                                                                            Edit:
            Result Grid Filter Rows:
                                            departmentid
                                                                                     departmentName
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                      3
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                      2
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                                                                                   ECE
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                                                                                   MATH
                      5
                                          23
                                                                                   ENG
                      6
                                          50
                                                                                   CIVIL
                    NULL
                                         NULL
                                                                                  NULL
            department 3 x
```

### 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-2021
  Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new dri
  please enter the sno
  please enter dept id
  Please enter dept name
  result 1
 sno
           departmentid
                       departmentName
           1
                       CSE
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     3
           2
                       MECH
     2
           3
                       ECE
           20
                       MATH
     5
           23
                       ENG
     7
           34
                       CHE
     6
           50
                       CIVIL
     NULL
          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\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\eclipse-java-2020-12-R-win32-x86_64\end{tabular}
  Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.m
  result 1
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                  departmentid
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                                    MATH
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                                    CHE
                 द्वारायक
       12111111
```

## 4). FOR UPDATING RECORD:

import java.sql.Connection;

```
package Java;
```

```
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
```