SMARTBRIDGE EXTERNSHIP

Modern Application Development (Java Spring Boot)

ASSIGNMENT-3

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1). FOR DISPLAYING RECORDS:

2.1). PREPARED STATEMENT TO INSERT VALUES FROM USER:

```java
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
```

```java
                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();

        }
    }

}
```
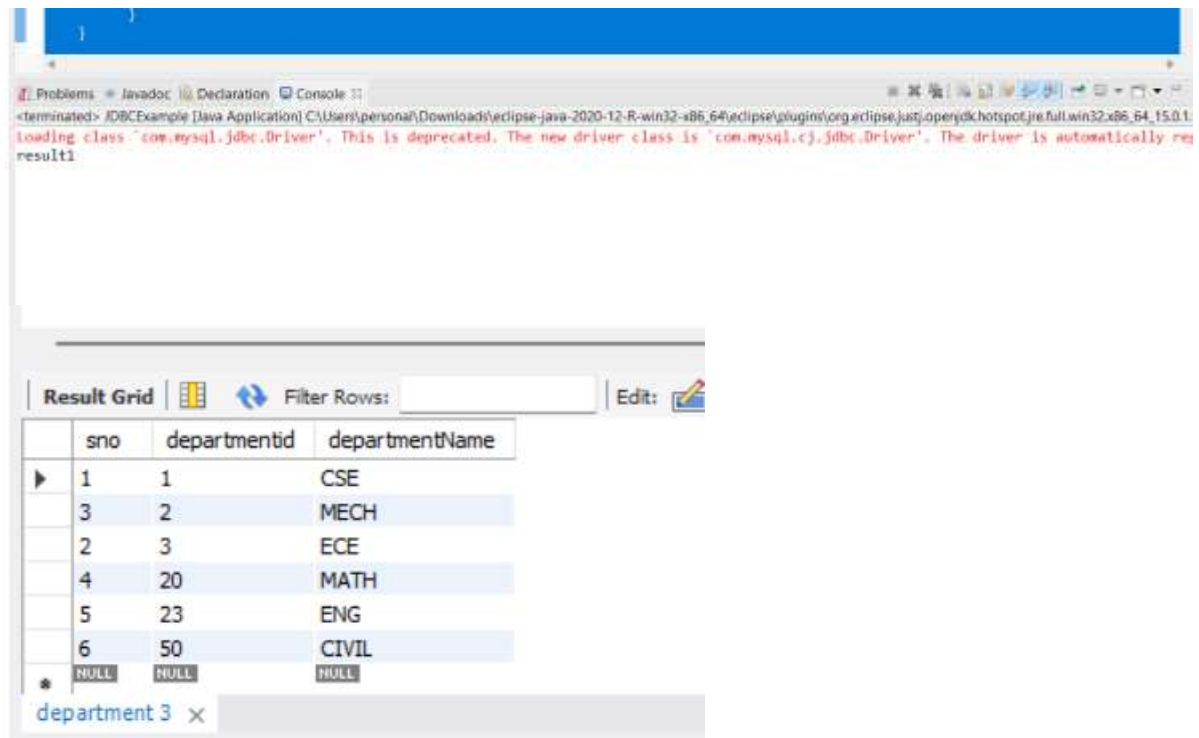

2.2). INPUT FROM USER USING A SCANNER CLASS:

```java
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) {
```

```java
        // 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-202(
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new dri
please enter the sno
7
please enter dept id
34
Please enter dept name
CHE
result 1
```
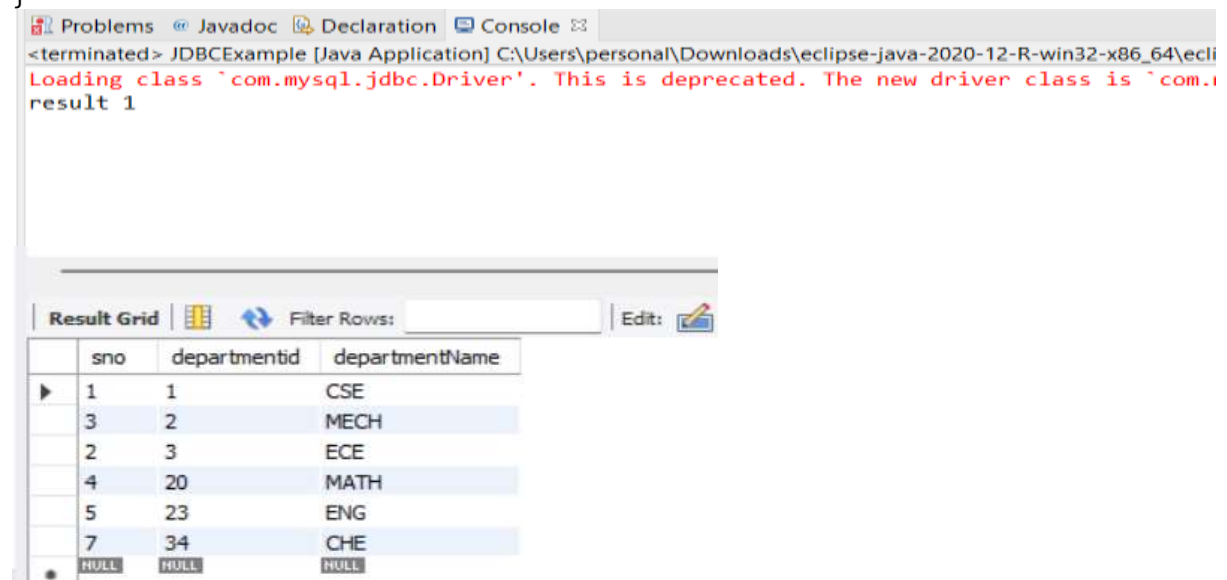
Result Grid | Filter Rows:

sno	departmentid	departmentName
1	1	CSE
3	2	MECH
2	3	ECE
4	20	MATH
5	23	ENG
7	34	CHE
6	50	CIVIL
NULL	NULL	NULL

3). FOR DELETING RECORD:

```java
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 `com.i
result 1

Result Grid | ⊞ | ↩ | Filter Rows: [_____] | Edit: ☑

sno	departmentid	departmentName
1	1	CSE
3	2	MECH
2	3	ECE
4	20	MATH
5	23	ENG
7	34	CHE
NULL	NULL	NULL

4). FOR UPDATING RECORD:

package Java;

import java.sql.Connection;

```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();

    }

    }

}
```

<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