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
        Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Bhargavi2003*5##");
        //3.create a statement
```
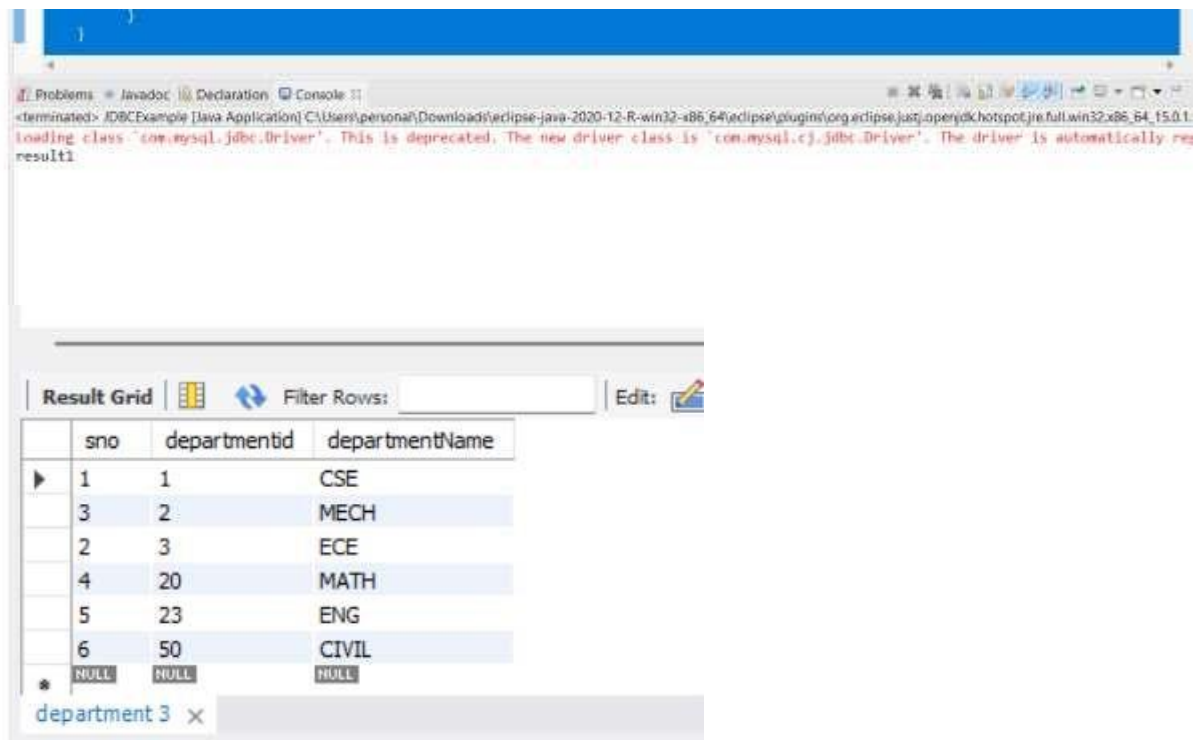
```java
                PreparedStatement stmt=conn.prepareStatement("insert into
department values(?,?,?)");                stmt.setInt(1, 6);
stmt.setInt(2, 50);                stmt.setString(3,"CIVIL");
//4.execute the query
                int result=stmt.executeUpdate();
System.out.println("result" + 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) {
            // TODO Auto-generated method stub
        try {
            //1, Register the driver
            Class.forName("com.mysql.jdbc.Driver");
```

```java
                //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
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:

```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) {

                // 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();

        }

            }

}
```