# SMARTBRIDGE EXTERNSHIP

# Modern Application Development (Java Spring Boot)

## ASSIGNMENT-3

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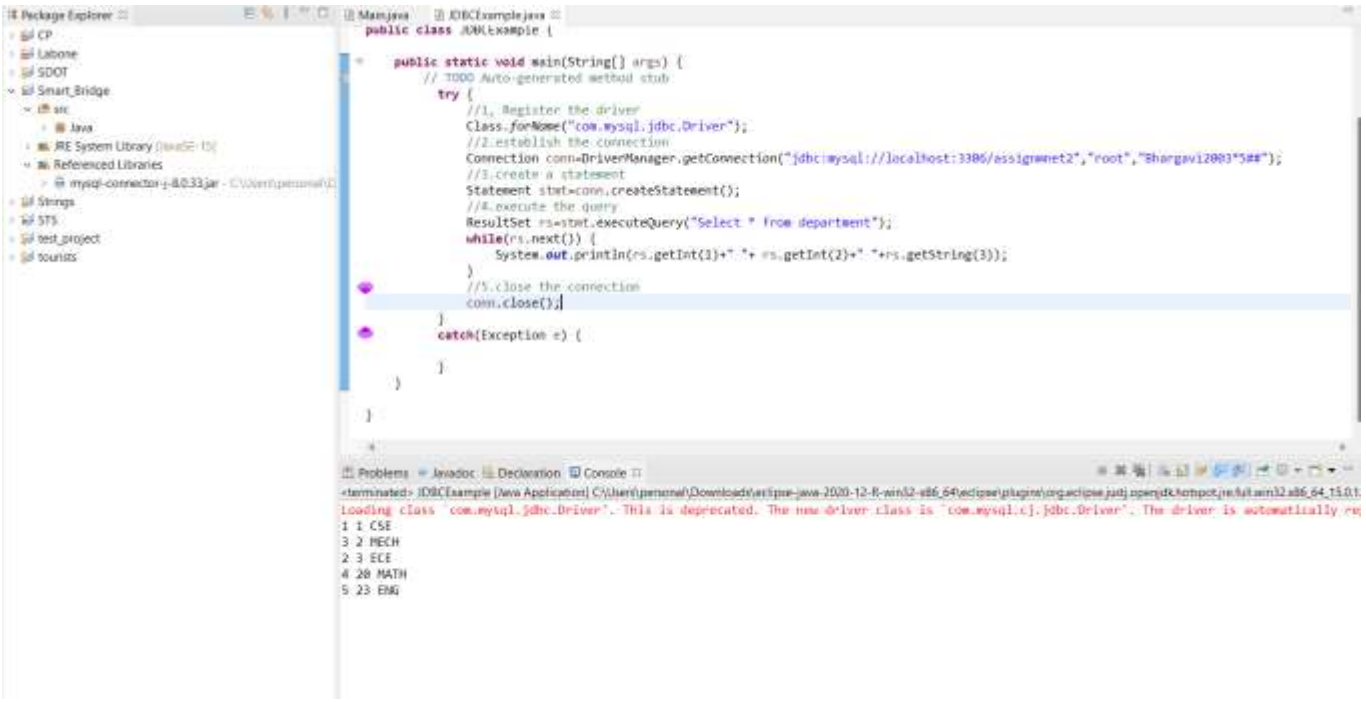
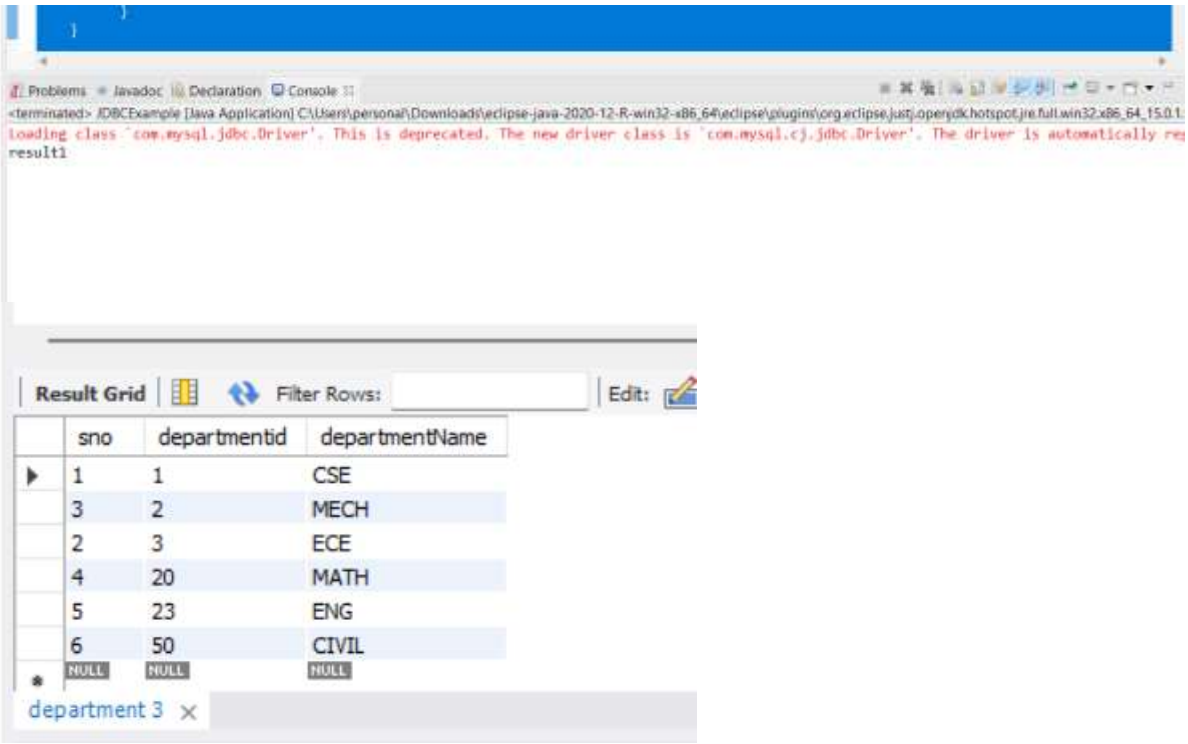
### 1). FOR DISPLAYING RECORDS:




### 2.1). PREPARED STATEMENT TO INSERT VALUES FROM USER:

```
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();

          }
      }

}
```




| sno | departmentid | departmentName |
|---|---|---|
| 1 | 1 | CSE |
| 3 | 2 | MECH |
| 2 | 3 | ECE |
| 4 | 20 | MATH |
| 5 | 23 | ENG |
| 6 | 50 | CIVIL |
| NULL | NULL | NULL |

## 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-202

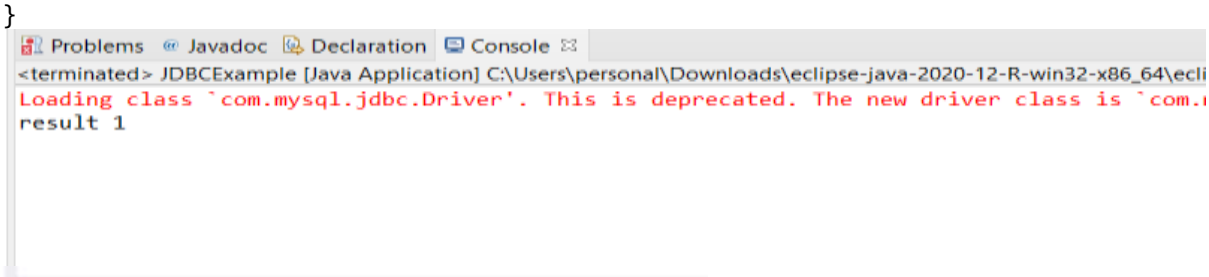
```
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new dri
please enter the sno
7
please enter dept id
34
Please enter dept name
CHE
result 1
```

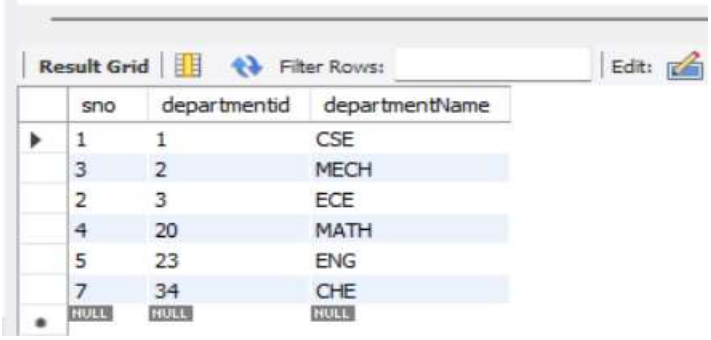
Result Grid | Filter Rows:

| 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:**

```
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();
	    }
	}

}
```



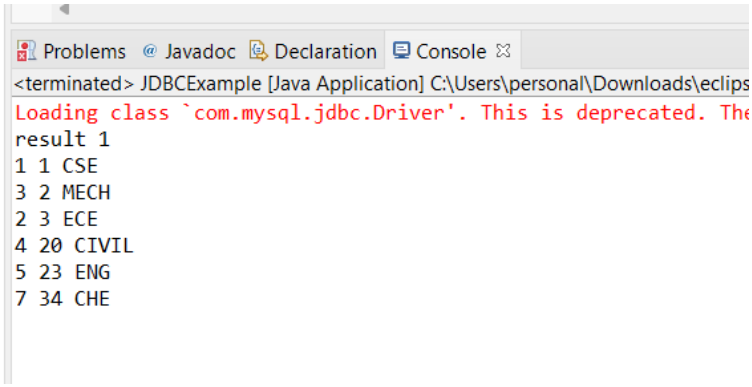

| sno | departmentid | departmentName |
|---|---|---|
| 1 | 1 | CSE |
| 3 | 2 | MECH |
| 2 | 3 | ECE |
| 4 | 20 | MATH |
| 5 | 23 | ENG |
| 7 | 34 | CHE |
| NULL | NULL | NULL |

**4). FOR UPDATING RECORD:**

package Java;

import java.sql.Connection;

```
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