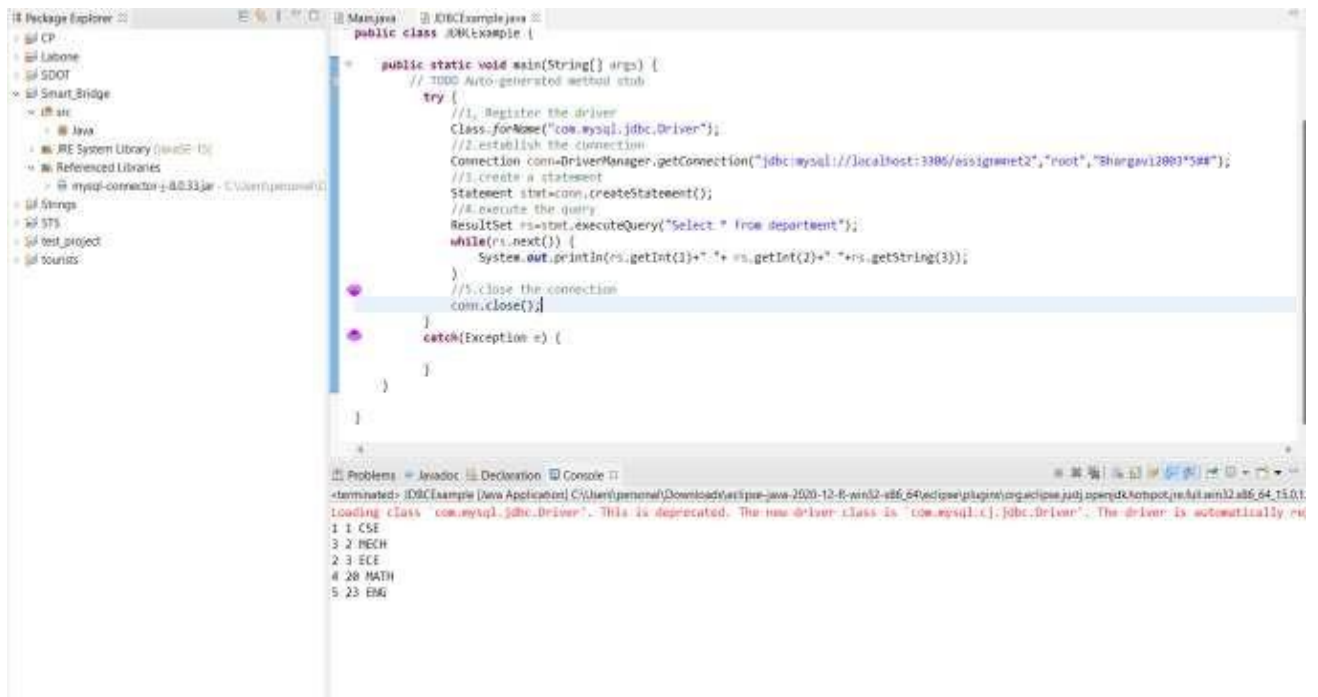# Week -3 Assignment

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Reg. No: 20BCD7162

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",
"Prajith2003");
```
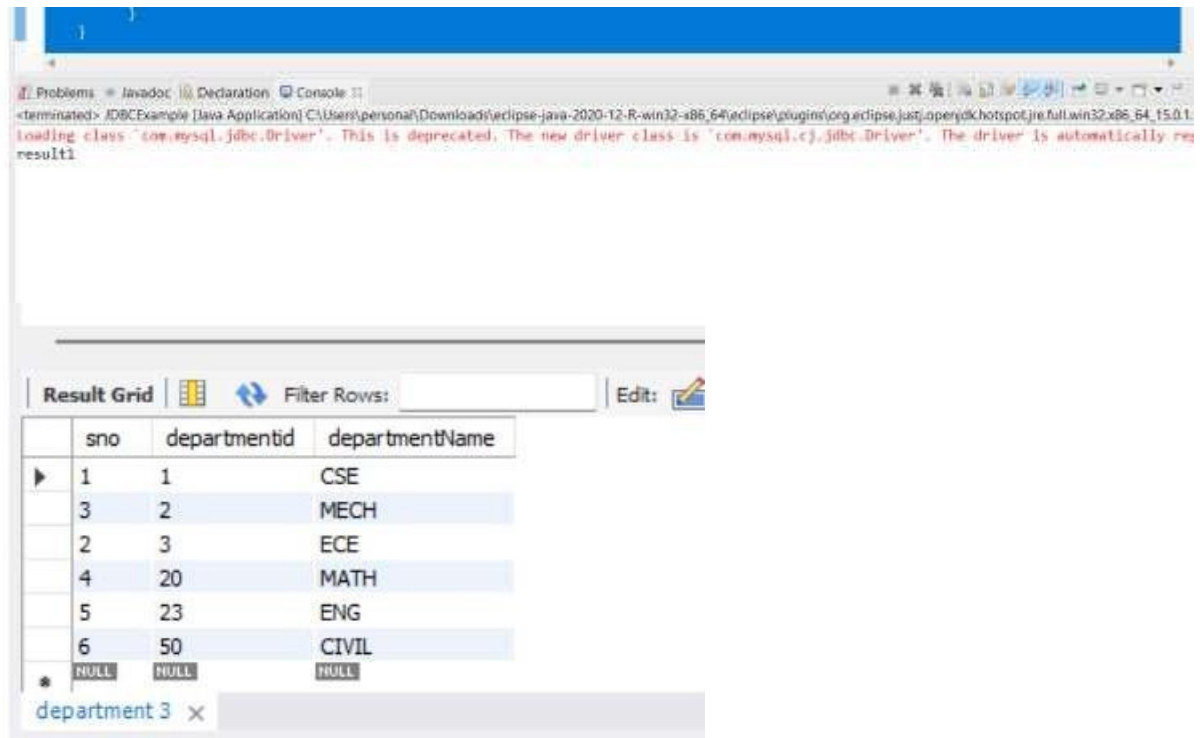
```java
            //3.create a statement
            PreparedStatement stmt=conn.prepareStatement("insert into
department values(?,?,?)");
            stmt.setInt(1, 6);
            stmt.setInt(2, 50);
            stmt.setString(3,"CIVIL");
            //4.execute the query
             int result=stmt.executeUpdate();
          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) {
        // TODO Auto-generated method stub
      try {
            //1, Register the driver
```

```java
                Class.forName("com.mysql.jdbc.Driver");
                //2.establish the connection
                Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Prajith2003");
                //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:
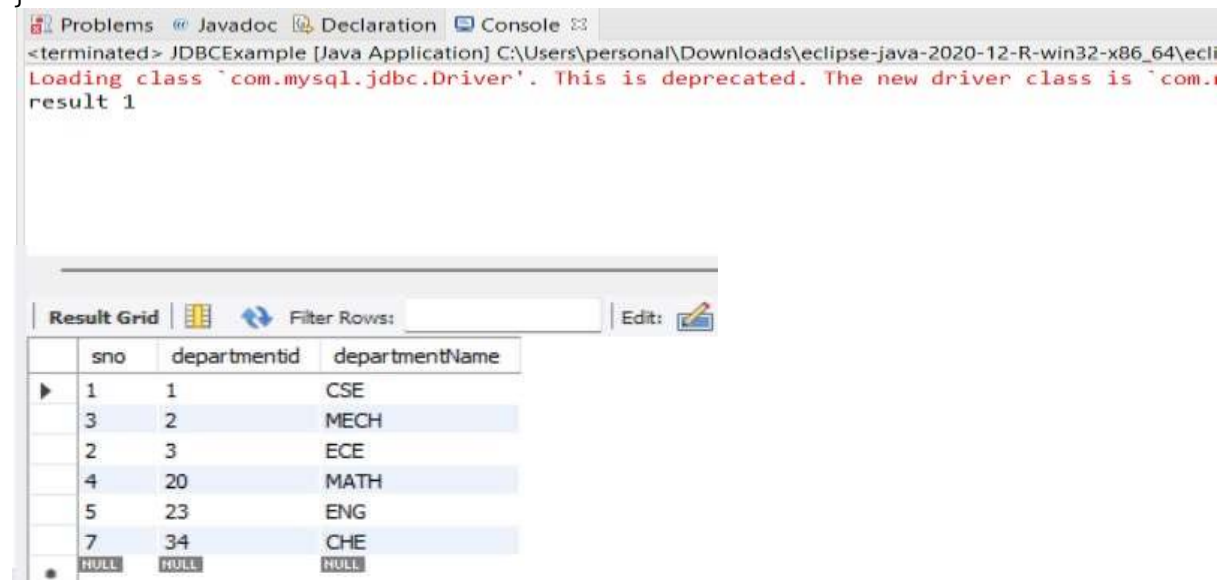
```java
package Java;
import java.sql.Connection;
```

```java
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",
"Prajith2003");
            //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.ı
result 1

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;

```java
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","Prajith2003");

            //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
```