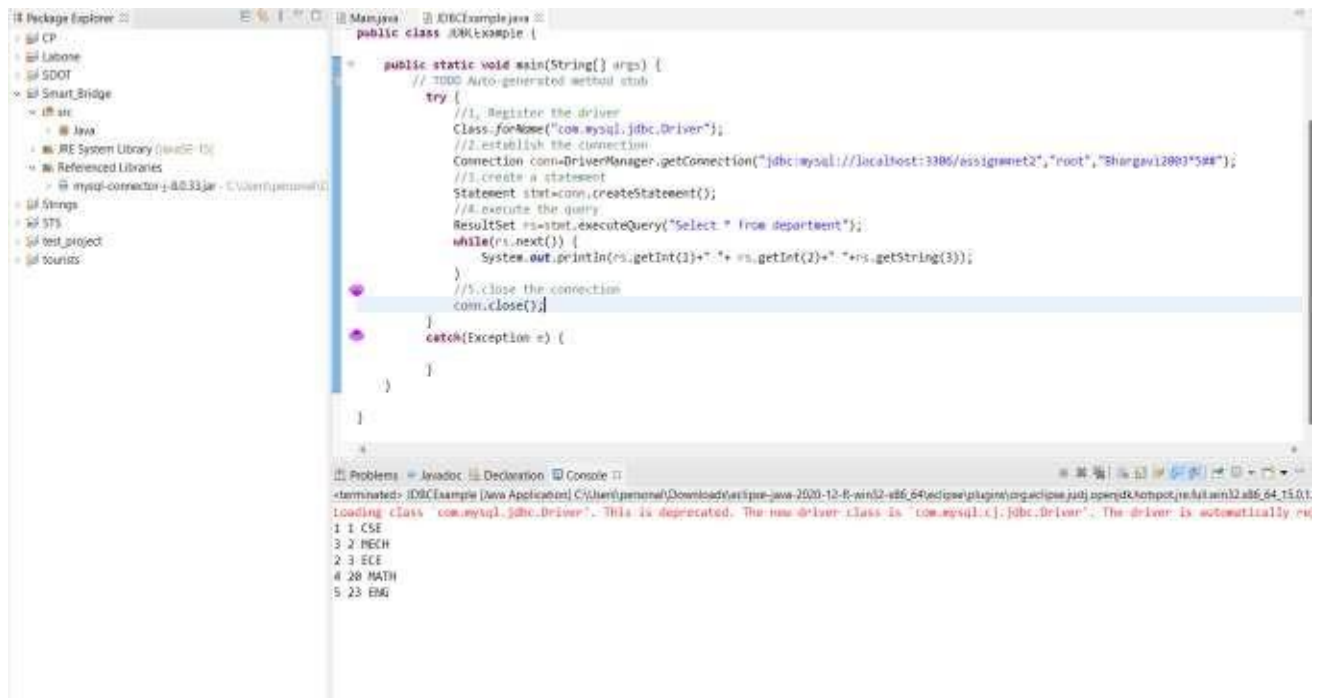


Assignment -3

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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;

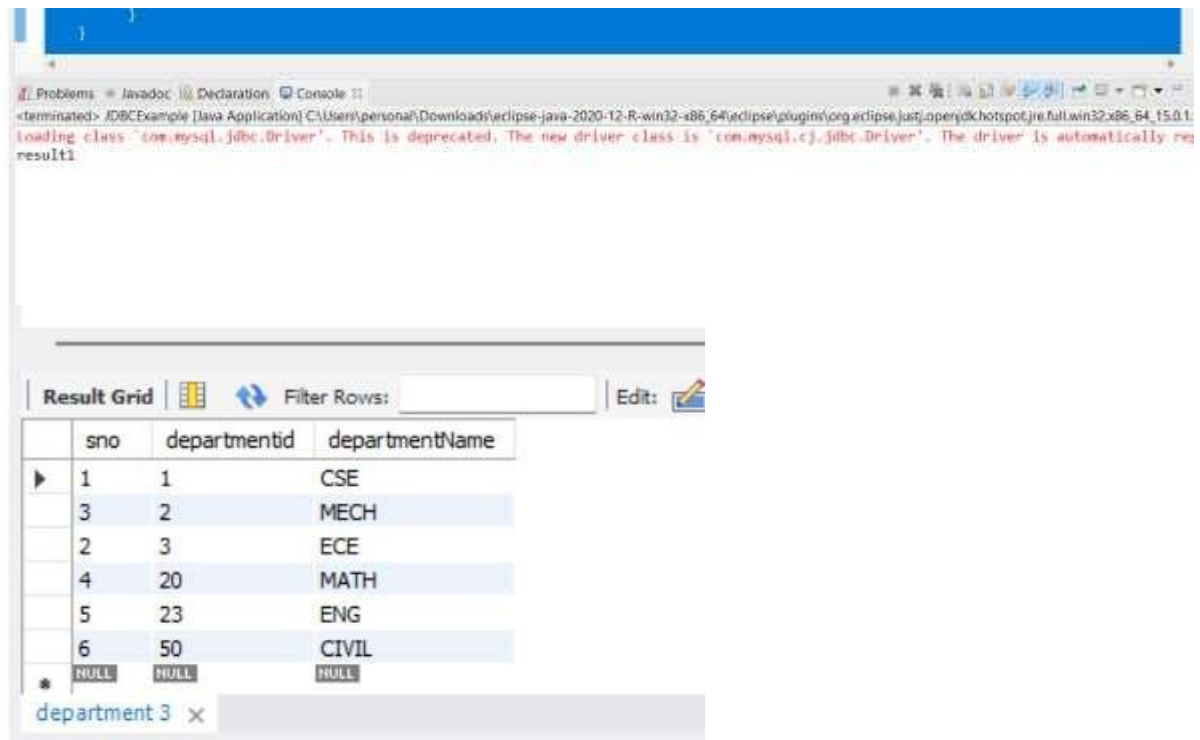
public class JDBCExample {

    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/assignmet2","root",
"Ramana@7242");
```

```

        //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:

```

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","
Ramana@7242");
        //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();
    }
}
}

```

```

<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

```

	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;

```

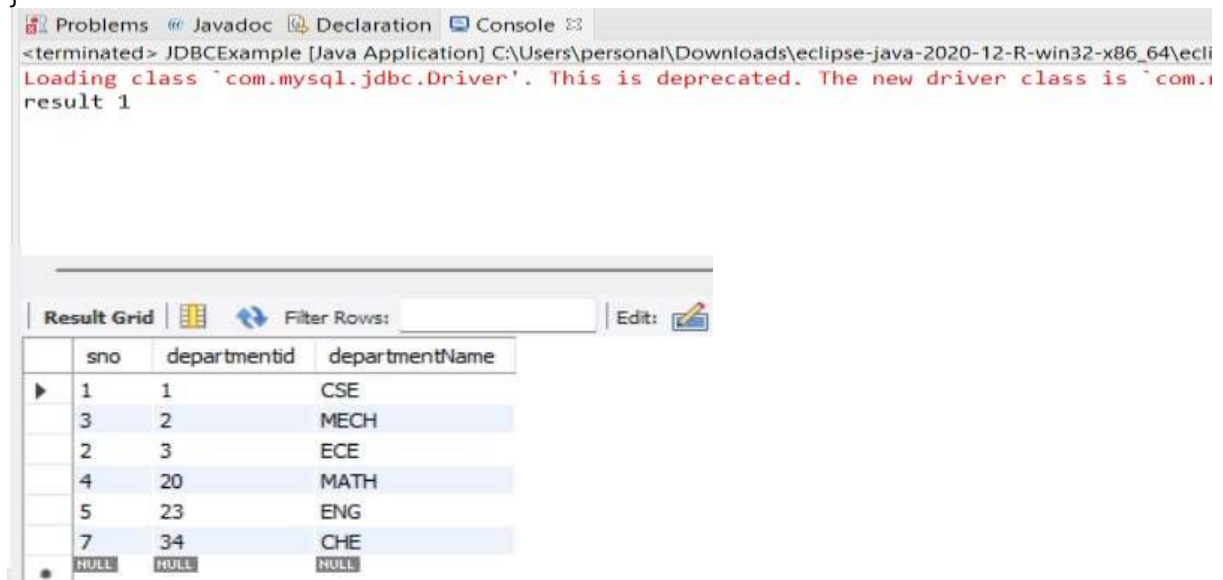
```

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","
Ramana@7242");
            //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();
        }
    }
}

```



The screenshot shows the Eclipse IDE interface. The top bar includes tabs for Problems, Javadoc, Declaration, and Console. The Console tab is active, displaying a message: "<terminated> JDBCExample [Java Application] C:\Users\personal\Downloads\eclipse-java-2020-12-R-win32-x86_64\eci Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.i result 1". Below the console, the 'Result Grid' is visible, showing a table with columns 'sno', 'departmentid', and 'departmentName'. The table contains 7 rows of data, with the last row showing 'NULL' values.

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"," Ramana@7242");

        //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
```