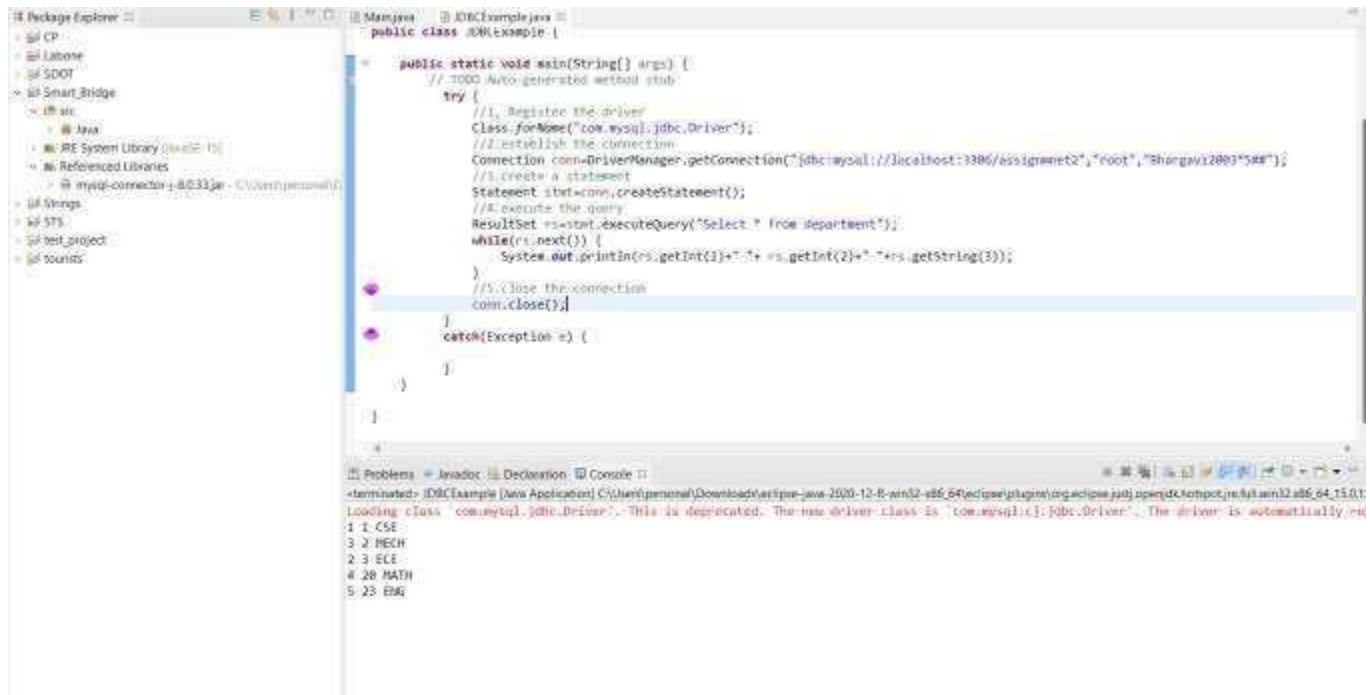


ASSIGNMENT-3

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Reg. No: 20BCE7647

1. FOR DISPLAYING RECORDS:



2a. 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;

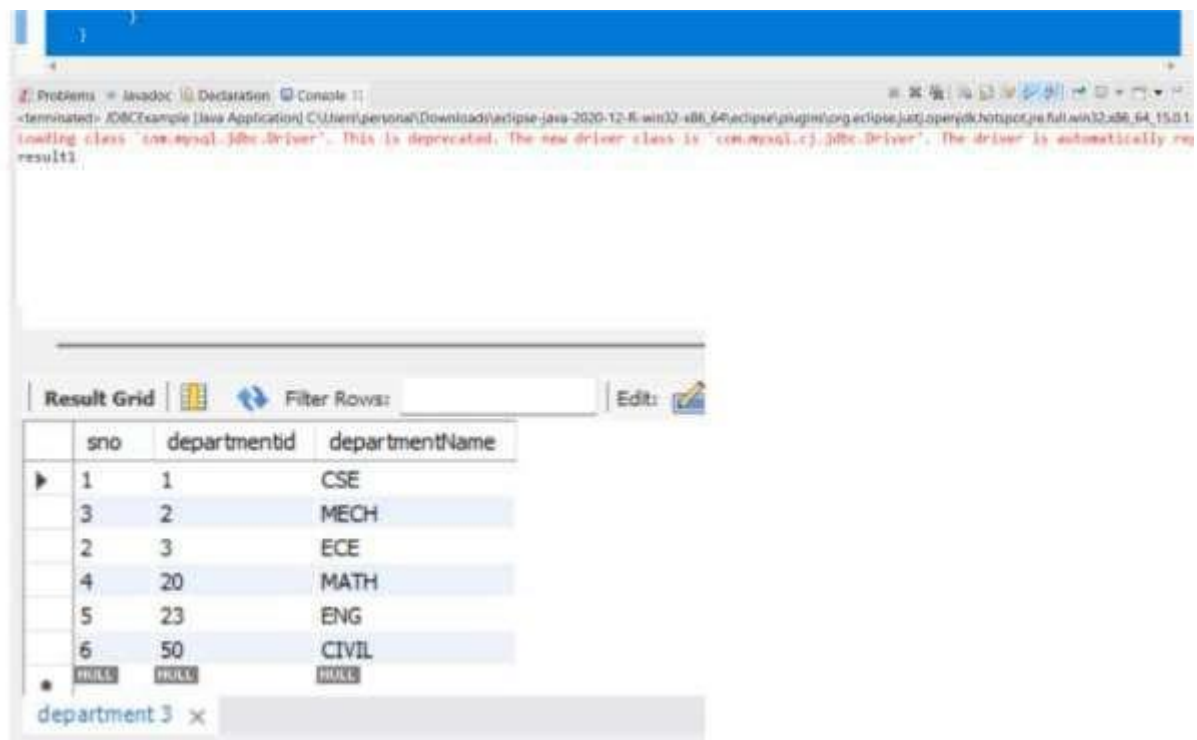
public class JDBCExample {

    public static void main(String[] args) {
        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();
    }
}
}

```



2.b. 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 {

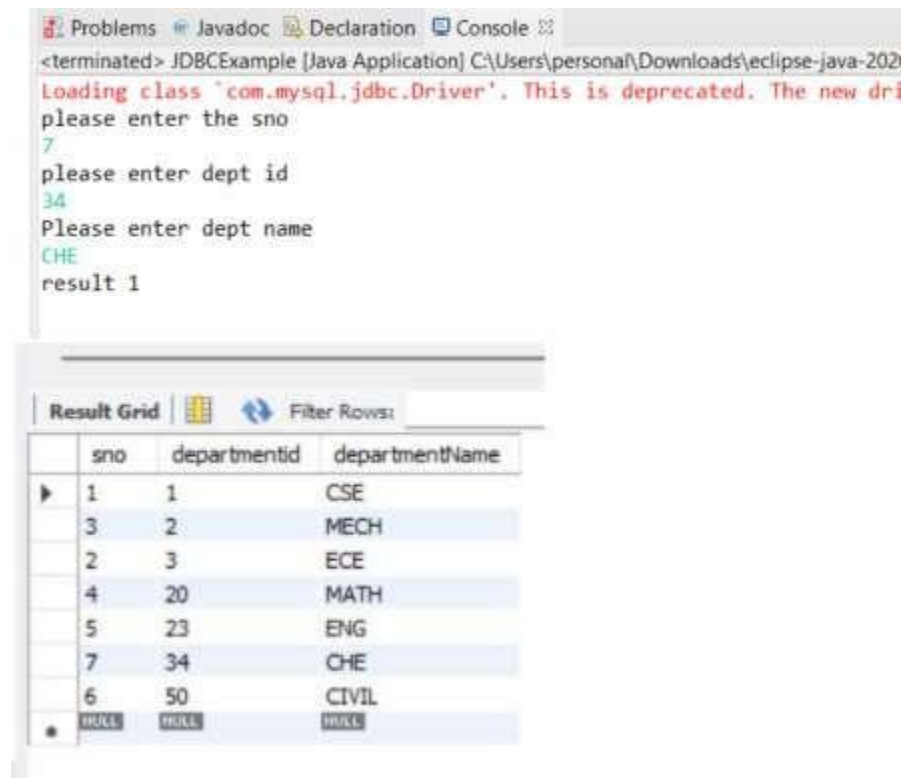
    public static void main(String[] args) {
        try {
            //1, Register the driver

```

```

        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();
    }
}
}
}

```



The screenshot shows the Eclipse IDE interface. The top part displays the 'Console' window with the following output:

```

<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

```

The bottom part shows the 'Result Grid' window, which displays a table of department records:

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

3. FOR DELETING RECORD:

```

package Java;
import java.sql.Connection;

```

```

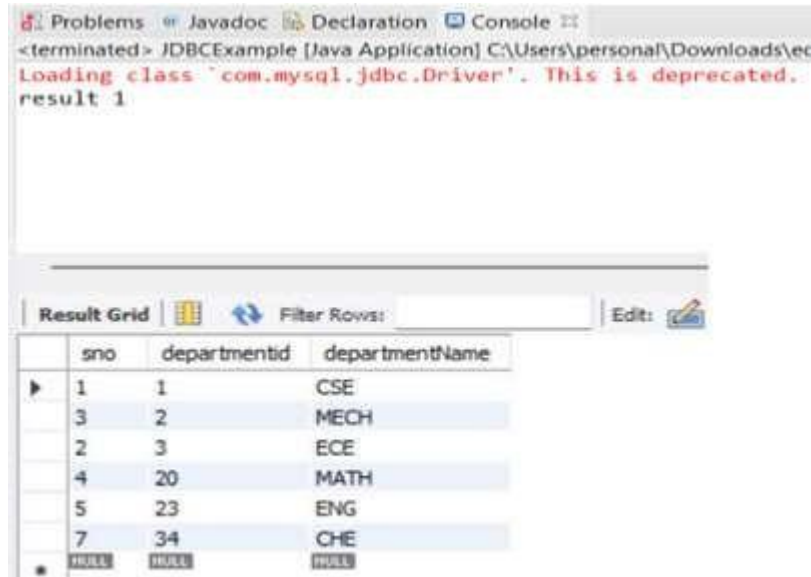
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.Statement;
import java.util.Scanner;
import java.sql.ResultSet;
import java.sql.SQLException;

public class JDBCExample {

    public static void main(String[] args) {
        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();
        }
    }
}

```



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) {
        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="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\er
Loading class 'com.mysql.jdbc.Driver'. This is deprecated.
result 1
1 1 CSE
3 2 MECH
2 3 ECE
4 20 CIVIL
5 23 ENG
7 34 CHE

```