GOKAVARAPU TEJA NAGA SAI

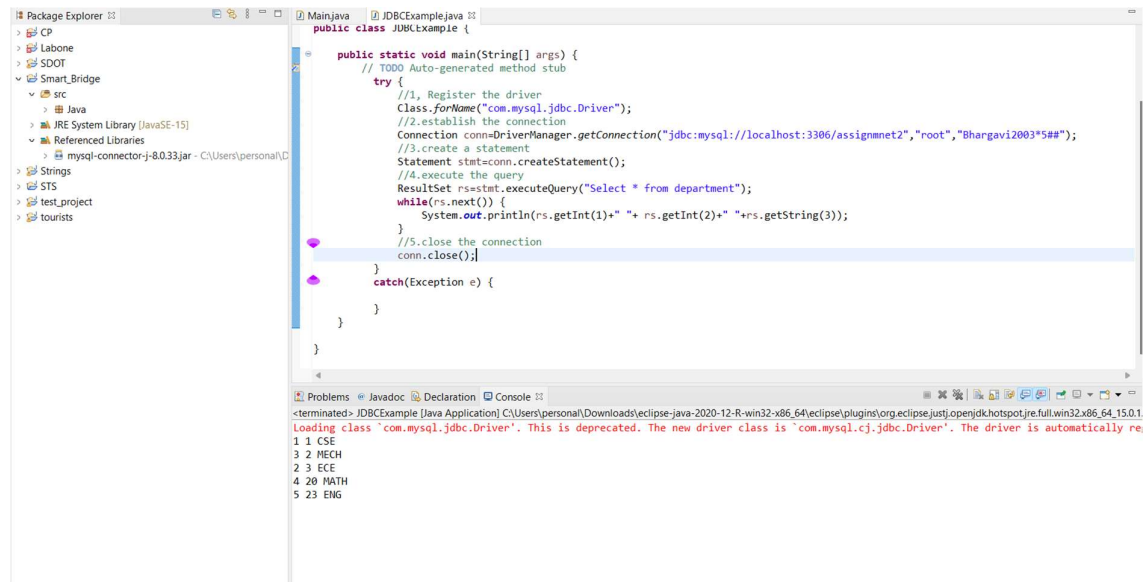**20BCE7361**

VIT-AP

ASSIGNMENT-3

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",
"Teja2003*5##");
            //3.create a statement
            PreparedStatement stmt=conn.prepareStatement("insert into
department values(?,?,?)");
            stmt.setInt(1, 6);
            stmt.setInt(2, 50);
```
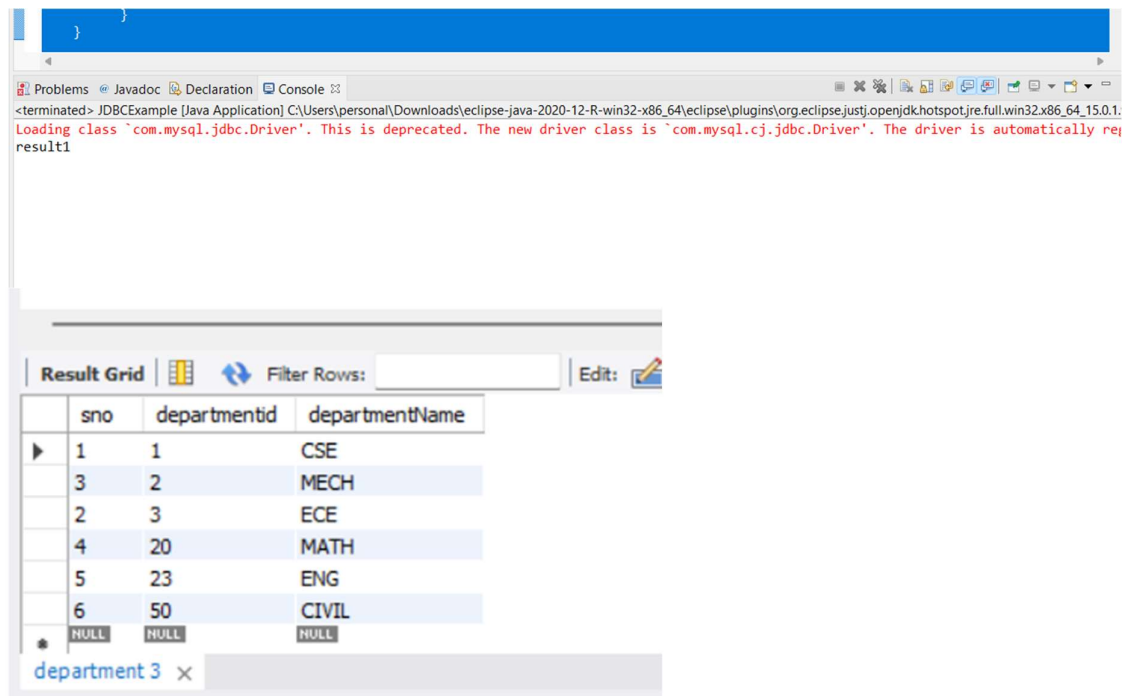
```java
            stmt.setString(3,"CIVIL");
            //4.execute the query
             int result=stmt.executeUpdate();
         System.out.println("result" + result);
            //5.close the connection
            conn.close();
        }
        catch(Exception e) {
            e.printStackTrace();

        }
     }

}
```

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

department 3 ×

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");
            //2.establish the connection
            Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/assignmnet2","root",
"Teja2003*5##");
            //3.create a statement
```

```java
                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();

        }
    }

}
```

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;
```

```java
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",
"Teja2003*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();
        }
    }

}
```

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:

package Java;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.Statement;

import java.util.Scanner;

```java
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","Teja2003*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();

    }

    }
}
```

<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