Assignment -3

Java:

JDBC Connectivity:

```java
package javainternship;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.util.Scanner;

/**
 *
 * @author Reshu
 */
public class JDBCExample {
    public static void main(String args[]){
        try
        {
                 // 1.register the driver
                Class.forName("com.mysql.jdbc.Driver");

                // 2.connection
                Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/javaspringboot",
"root", "12345");

                // 3.Statement
                PreparedStatement stmt =
conn.prepareStatement("insert into department values(?,?,?)");
                Scanner s=new Scanner(System.in);
                System.out.println("please enter the SNo");
                int sno=s.nextInt();
                stmt.setInt(1,  sno);
                System.out.println("please enter the department
Id");
                int departmentId=s.nextInt();
                stmt.setInt(2, departmentId);
                System.out.println("please enter the department
name");
                String name=s.next();
                stmt.setString(3, name);


                // 4.Execute query
                int result = stmt.executeUpdate();
```
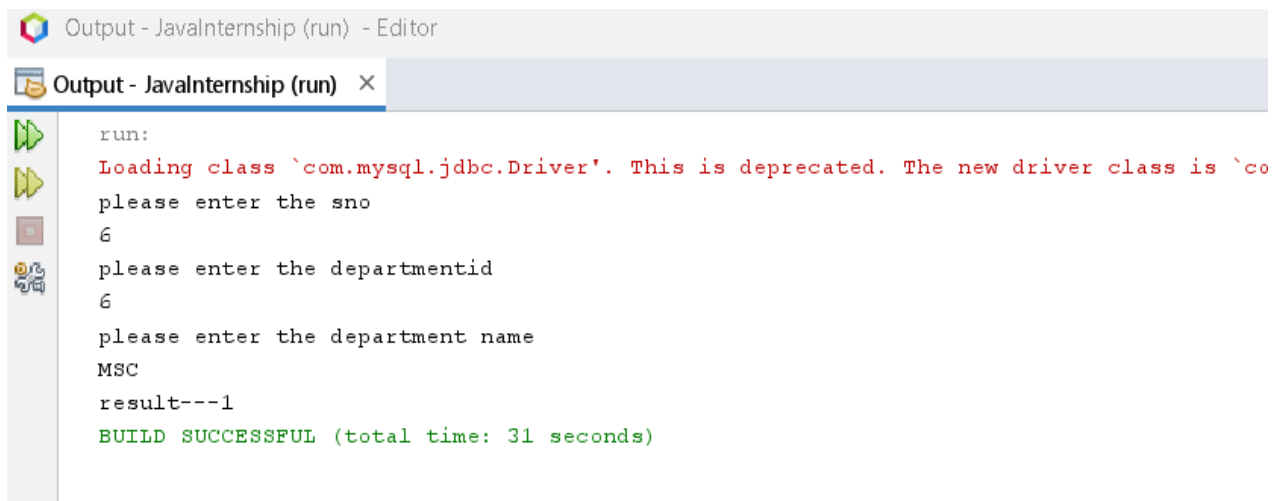
```
                        System.out.println("result---"+result);

                        // 5.close the conenction
                        conn.close();
            }
        catch(Exception e)
        {
            e.printStackTrace();
        }
    }

}
```
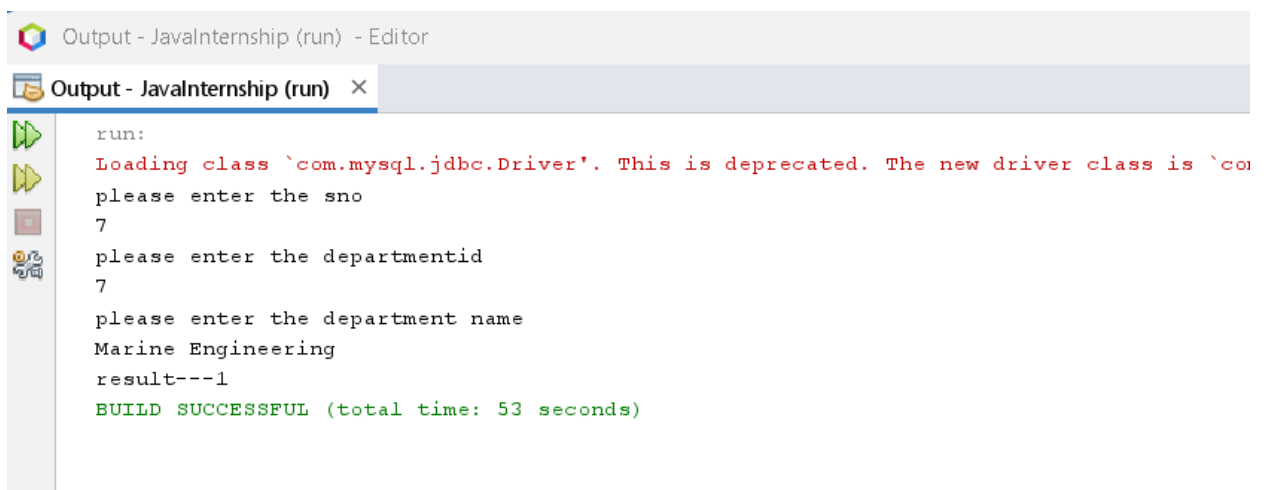
Output:

Inserting two values into department table:

Result:

Before inserting table values:

```
Command Prompt - mysql  -u root -p

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| javaspringboot     |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.01 sec)

mysql> use javaspringboot;
Database changed
mysql> select * from department;
+-----+--------------+----------------+
| sno | departmentId | departmentName |
+-----+--------------+----------------+
|   1 |            1 | CSE            |
|   2 |            2 | MAT            |
|   3 |            3 | IT             |
|   4 |            4 | BCA            |
|   5 |            5 | Arts           |
+-----+--------------+----------------+
5 rows in set (0.00 sec)
```

After inserting table values:

```
Command Prompt - mysql  -u root -p

mysql> select * from department;
+-----+--------------+----------------+
| sno | departmentId | departmentName |
+-----+--------------+----------------+
|   1 |            1 | CSE            |
|   2 |            2 | MAT            |
|   3 |            3 | IT             |
|   4 |            4 | BCA            |
|   5 |            5 | Arts           |
|   6 |            6 | MSC            |
|   7 |            7 | Marine         |
+-----+--------------+----------------+
7 rows in set (0.00 sec)
```