

# Modern Application Development

## Java Spring Boot

### Assignment -3

## Java:

### JDBC Connectivity:

```
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();
        }
    }
}
```

```

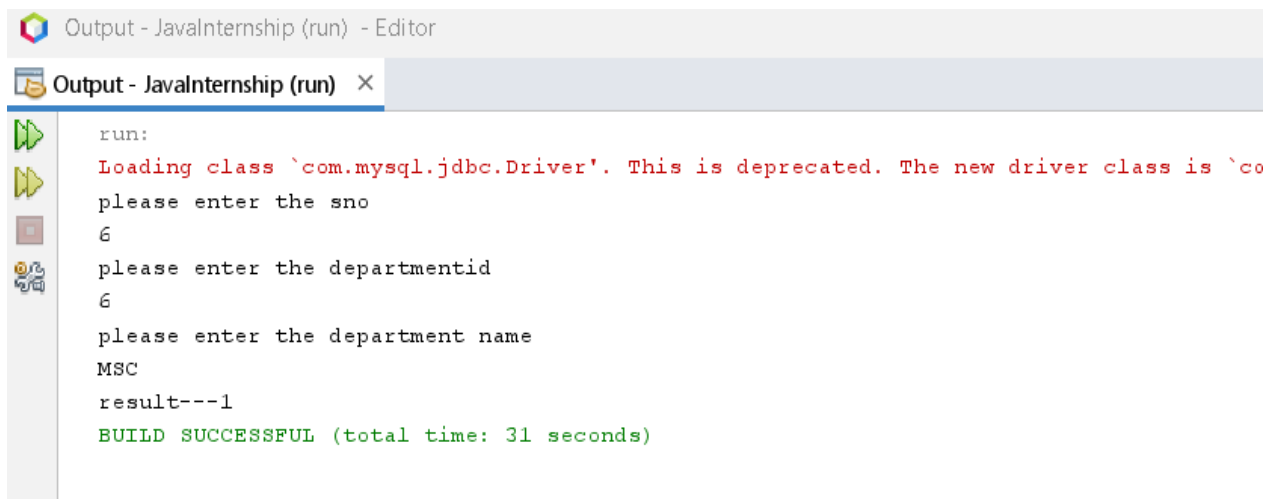
        System.out.println("result---"+result);

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

```

## Output:

### Inserting two values into department table:



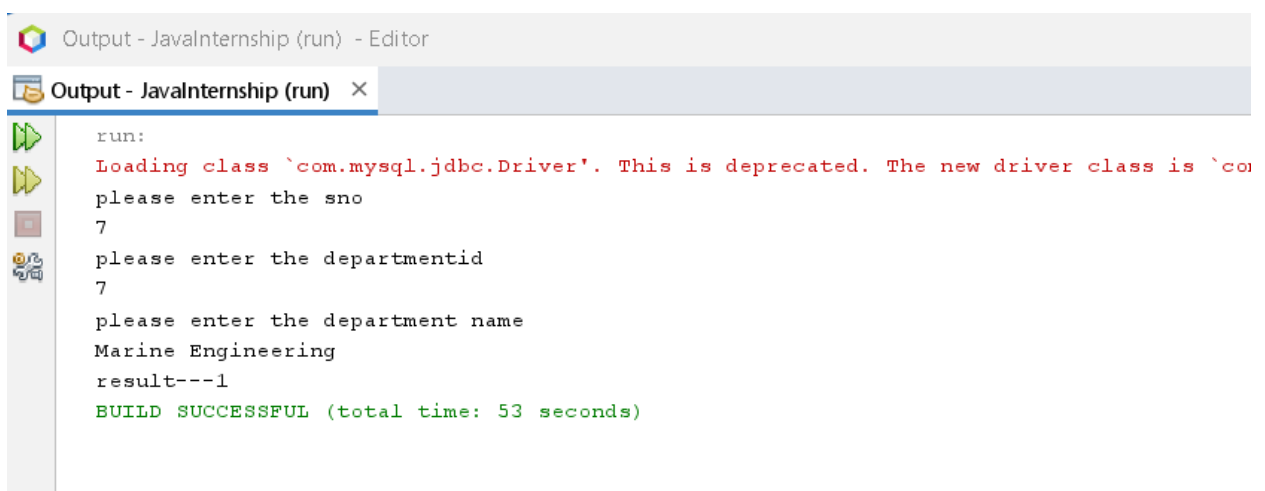
Output - JavalInternship (run) - Editor

Output - JavalInternship (run) ×

```

run:
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `co
please enter the sno
6
please enter the departmentid
6
please enter the department name
MSC
result---1
BUILD SUCCESSFUL (total time: 31 seconds)

```



Output - JavalInternship (run) - Editor

Output - JavalInternship (run) ×

```

run:
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `co
please enter the sno
7
please enter the departmentid
7
please enter the department name
Marine Engineering
result---1
BUILD SUCCESSFUL (total time: 53 seconds)

```

## 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)
```