

ASSSIGNMENT 3

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Q. Implement JDBC connectivity using Java

```
import java.sql.*;
import java.util.*;

class Main {

    public static void main(String a[])
    {

        String url = "jdbc:oracle:thin:@localhost:1521:xe";

        String user = "system";
        String pass = "123456";

        Scanner k = new Scanner(System.in);

        System.out.println("Enter Name");
        String name = k.next();

        System.out.println("Enter Register no.");
        int reg = k.nextInt();
```

```
System.out.println("Enter Class");
```

```
String cls = k.next();
```

```
String sql = "insert into student1 values('" + name  
+ "'," + reg + "'," + cls + "')";
```

```
Connection con = null;
```

```
try {
```

```
    DriverManager.registerDriver(  
        new oracle.jdbc.OracleDriver());
```

```
    con = DriverManager.getConnection(url, user,pass);  
        Statement st = con.createStatement();
```

```
    int m = st.executeUpdate(sql);
```

```
    if (m == 1)
```

```
        System.out.println(  
            "inserted successfully : " + sql);
```

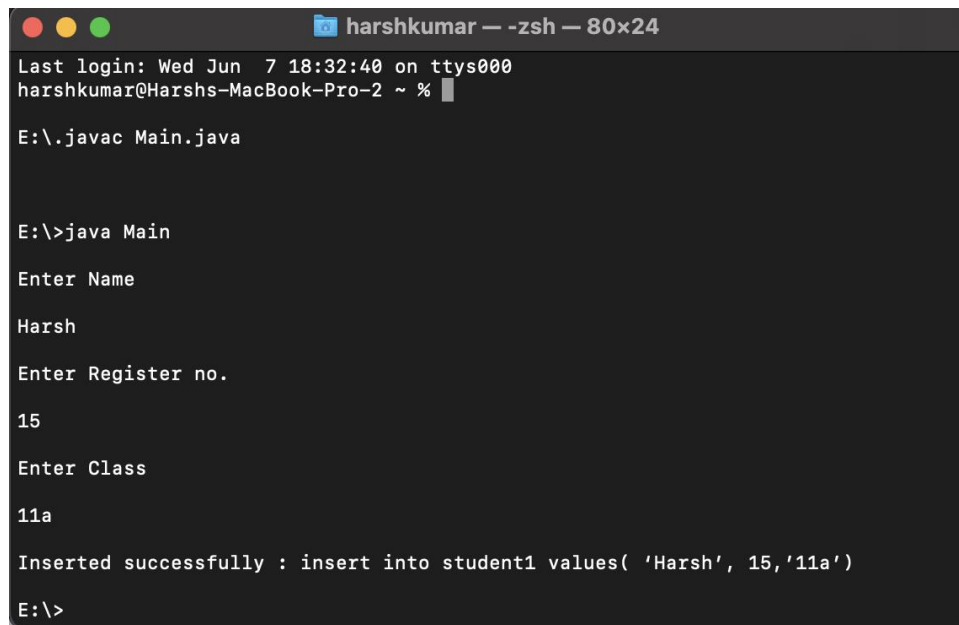
```
    else
```

```
        System.out.println("insertion failed");
```

```
    con.close();
```

```
}
```

```
catch (Exception ex) {  
    // Display message when exceptions occurs  
    System.err.println(ex);  
}  
}  
}
```

A terminal window titled "harshkumar — zsh — 80x24" with standard macOS window controls. The terminal shows the execution of a Java program. It starts with a login message, followed by the command "E:\.javac Main.java". Then, "E:\>java Main" is entered. The program prompts for "Enter Name", "Enter Register no.", and "Enter Class". The user inputs "Harsh", "15", and "11a" respectively. The program outputs "Inserted successfully : insert into student1 values('Harsh', 15,'11a')". The prompt "E:\>" is shown at the bottom.

```
harshkumar — zsh — 80x24  
Last login: Wed Jun  7 18:32:40 on ttys000  
harshkumar@Harshs-MacBook-Pro-2 ~ %  
E:\.javac Main.java  
  
E:\>java Main  
Enter Name  
Harsh  
Enter Register no.  
15  
Enter Class  
11a  
Inserted successfully : insert into student1 values( 'Harsh', 15,'11a')  
E:\>
```