



**VIT**<sup>®</sup>  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

**MODERN APPLICATION DEVELOPMENT**  
**(JAVA SPRING BOOT)**  
**ASSIGNMENT-3**

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**QUESTION:**

**IMPLEMENT JDBC USING JAVA**

## CODE:

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

public class Main {

    public static void main(String args[]) {

        try{

            Class.forName("com.mysql.jdbc.Driver");
            Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/db","root","Iamtah
u321#$");

            Statement statement = conn.createStatement();

            PreparedStatement statement1 = conn.prepareStatement("insert
into test1(name,regno,dept_name) values(?,?,?)");
            Scanner sc = new Scanner(System.in);
            System.out.println("Please Enter the name");
            String name = sc.next();
            statement1.setString(1,name);

            System.out.println("Please Enter the reg no.");
            String regno = sc.next();
            statement1.setString(2,regno);

            System.out.println("Please Enter the department name");
            String dept_name = sc.next();
            statement1.setString(3,dept_name);

            ResultSet result = statement.executeQuery("select * from
test1");

            System.out.println("Before Inserting a new Line");

            System.out.println();

            while (result.next()){
                System.out.println(result.getString(1) + " " +
result.getString(2) + " " +result.getString(3));
            }
            System.out.println();

            System.out.println("After Inserting a new Line");

            System.out.println();
            statement1.executeUpdate();

            result = statement.executeQuery("select * from test1");

            while (result.next()){
                String name1 = result.getString("name");
                String regno1 = result.getString("regno");
                String dept = result.getString("dept_name");
                System.out.println( name1 + " " + regno1 + " " +dept);
            }
        }
    }
}
```

```

    }
    result.close();
    statement.close();
    statement1.close();
    conn.close();
}
catch (Exception e){
    e.printStackTrace();
}
}
}

```

## OUTPUT:

The screenshot shows the IntelliJ IDEA interface with the 'Run' window open. The output of the program is as follows:

```

"C:\Program Files\Java\jdk-17.0.5\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.3.1\lib\idea_rt.jar=58923:C:\Program Files\JetBrains\I
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual load
Please Enter the name
Please Enter the reg no.
Please Enter the department name
Before Inserting a new Line

Anjali 20MIS0005 BTECH
AYESHA 20BCE341 BTECH
FAHEEM 20MIS0008 MTECH
JEYA 20MIS0044 MTECH
MAHI 20BCE231 BTECH
MARIYAM 20MIS0011 MTECH
MEHER 20BCE235 BTECH
MUJAHID 20MIS0007 MTECH
Rayan 20MIS0006 BTECH
Rithika 20MIS0001 MTECH
SANIYA 20BCE142 BTECH
Taha 20MIS0015 MTECH
Taraa 20MIS0016 MTECH

After Inserting a new Line

```

The continuation of the output from the previous screenshot is as follows:

```

After Inserting a new Line

Anjali 20MIS0005 BTECH
AYESHA 20BCE341 BTECH
FAHEEM 20MIS0008 MTECH
JEYA 20MIS0044 MTECH
MAHI 20BCE231 BTECH
MARIYAM 20MIS0011 MTECH
MEHER 20BCE235 BTECH
MUJAHID 20MIS0007 MTECH
Rayan 20MIS0006 BTECH
Rithika 20MIS0001 MTECH
SANIYA 20BCE142 BTECH
Taha 20MIS0015 MTECH
Taraa 20MIS0016 MTECH
ZAID 20MIS0003 MTECH

Process finished with exit code 0

```