



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

B. Tech. Semester 2020-2021

**SCHOOL OF COMPUTER SCIENCE ENGINEERING
(SCOPE)**

**JAVA
PROGRAMMING.**

**Digital Assignment – I
(JDBC)**

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19BCE1281**

Platforms used:

I) Eclipse IDE

II) Mairadb (MySQL)

CODE :-

```
package javaDal;

import java.io.*;
import java.sql.*;
import java.util.*;

public class index {
    public static void main(String[] args) {

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/javada1", "root",
"kali");
            System.out.println("connected!!");
            Statement ps = con.createStatement();

            Scanner sc = new Scanner(System.in);
            System.out.println("Choose Functionallity");
            System.out.println("1.insert records to database");
            System.out.println("2.display content of database");
            System.out.println("3.Update database");

            int function = sc.nextInt();
            switch (function) {
                case 1:
                    String sql;
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample2','19BCE1112',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample3','19BCE1113',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample4','19BCE1114',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample5','19BCE1115',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample6','19BCE1116',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample7','19BCE1117',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample8','19BCE1118',NOW())";
                    ps.executeUpdate(sql);
                    sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample9','19BCE1119',NOW())";
                    ps.executeUpdate(sql);
```

```

        sql = "INSERT INTO 19BCE1281_DA1
VALUES('sample10','19BCE1120',NOW())";
ps.executeUpdate(sql);

        System.out.println("10 values are inserted in
database");

        break;

    case 2:
        String sql1;
        sql1 = "Select * FROM 19BCE1152_DA1";
        break;
    case 3:
        System.out.println("Wednesday");
        String sql2;
        sql2 = "delete from 19BCE1152_DA1 where reg_no =
'19BCE1117'";

        break;
    }
    con.close();
    System.out.println("closing the connection!");
} catch (Exception e) {
    System.out.println(e);
}
}
}
}

```

SCREENSHOTS :--

| Initial table

```
MariaDB [javada1]> describe 19BCE1281_DA1
→ ;
```

Field	Type	Null	Key	Default	Extra
name	varchar(30)	YES		NULL	
REG_NO	varchar(10)	YES		NULL	
time_of_entry	timestamp	NO		current_timestamp()	on update current_timestamp()

3 rows in set (0.002 sec)

Table before inserting values.

```

MariaDB [javada1]> select * from 19BCE1281_DA1;
+-----+-----+-----+
| name | REG_NO | time_of_entry |
+-----+-----+-----+
| Amit | 19BCE1281 | 2021-05-25 20:19:24 |
+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [javada1]> 

```

Problems Javadoc Declaration Console

```

index [Java Application] /usr/lib/jvm/java-11-openjdk-amd64/bin/java (25-M
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dsv
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The
connected!!
Choose Functionallity
1.insert records to database
2.display content of database
3.Update database

1
Monday
enter name:
sample student
enter regno:
19BCE1111
enter time:
NOW()

```

entering values from java console.....

```

MariaDB [javada1]> select * from 19BCE1281_DA1;
+-----+-----+-----+
| name | REG_NO | time_of_entry |
+-----+-----+-----+
| Amit | 19BCE1281 | 2021-05-25 20:19:24 |
| sample | 19BCE1111 | 2021-05-25 20:21:11 |
+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [javada1]> 

```

Updated values.

```
Problems Javadoc Declaration Console
index [Java Application] /usr/lib/jvm/java-11-openjdk-amd64/bin/java (25-May-2021, 8:04:57 PM)
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is
connected!!
Choose Functionallity
1.insert records to database
2.display content of database
3.Update database
```

```
MariaDB [javada1]> select * from 19BCE1281_DA1;
```

name	REG_NO	time_of_entry
Amit	19BCE1281	2021-05-25 20:19:24
sample	19BCE1111	2021-05-25 20:21:11
sample2	19BCE1112	2021-05-25 20:26:57
sample3	19BCE1113	2021-05-25 20:26:57
sample4	19BCE1114	2021-05-25 20:26:57
sample5	19BCE1115	2021-05-25 20:26:57
sample6	19BCE1116	2021-05-25 20:26:57
sample7	19BCE1117	2021-05-25 20:26:57
sample8	19BCE1118	2021-05-25 20:26:57
sample9	19BCE1119	2021-05-25 20:26:57
sample10	19BCE1120	2021-05-25 20:26:57

```
11 rows in set (0.001 sec)

MariaDB [javada1]>
```

Now Deleting a value from [DB](#):

Deleting the row containing 19BCE1115:

```
MariaDB [javada1]> select * from 19BCE1281_DA1;
+-----+-----+-----+
| name   | REG_NO | time_of_entry |
+-----+-----+-----+
| Amit   | 19BCE1281 | 2021-05-25 20:19:24 |
| sample | 19BCE1111 | 2021-05-25 20:21:11 |
| sample2 | 19BCE1112 | 2021-05-25 20:26:57 |
| sample3 | 19BCE1113 | 2021-05-25 20:26:57 |
| sample4 | 19BCE1114 | 2021-05-25 20:26:57 |
| sample6 | 19BCE1116 | 2021-05-25 20:26:57 |
| sample7 | 19BCE1117 | 2021-05-25 20:26:57 |
| sample8 | 19BCE1118 | 2021-05-25 20:26:57 |
| sample9 | 19BCE1119 | 2021-05-25 20:26:57 |
| sample10 | 19BCE1120 | 2021-05-25 20:26:57 |
+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [javada1]> 
```

Updating the name value for 19BCE1114:-

```
MariaDB [javada1]> select * from 19BCE1281_DA1;
+-----+-----+-----+
| name   | REG_NO | time_of_entry |
+-----+-----+-----+
| Amit   | 19BCE1281 | 2021-05-25 20:19:24 |
| sample | 19BCE1111 | 2021-05-25 20:21:11 |
| sample2 | 19BCE1112 | 2021-05-25 20:26:57 |
| sample3 | 19BCE1113 | 2021-05-25 20:26:57 |
| changed name | 19BCE1114 | 2021-05-25 20:41:10 |
| sample6 | 19BCE1116 | 2021-05-25 20:26:57 |
| sample7 | 19BCE1117 | 2021-05-25 20:26:57 |
| sample8 | 19BCE1118 | 2021-05-25 20:26:57 |
| sample9 | 19BCE1119 | 2021-05-25 20:26:57 |
| sample10 | 19BCE1120 | 2021-05-25 20:26:57 |
+-----+-----+-----+
10 rows in set (0.001 sec)

MariaDB [javada1]> 
```