

B. Tech. Semester 2020-2021

SCHOOL OF COMPUTER SCIENCE ENGINEERING (SCOPE)

JAVA PROGRAMMING.

Digital Assignment – I (JDBC)

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```
Platforms used:
I) Eclipse IDE
II) MairaDB (MySQL)
CODE:-
package javaDa1;
lmport java.io.*;
import java.sql.<sup>></sup>
mport java.util.*;
oublic class index {
     public static void main(String[] args) {
                  Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysgl://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
break;
                   case 3:
                         System.out.println("Wednesday");
                         String sql2;
                         sql2 = "delete from
 19BCE1117'";
                         break;
                   con.close();
                   System.out.println("closing the connection!");
            } catch (Exception e) {
                   System.out.println(e);
}
```

SCREENSHOTS :--

Initial table

Table before inserting values.

```
index [Java Application] / Usr/lib/jvm/java-11-openjdk-amd64/bin/java (25-N Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dsw Loading class `com.mysql.jdbc.Driver'. This is deprecated. The connected!!

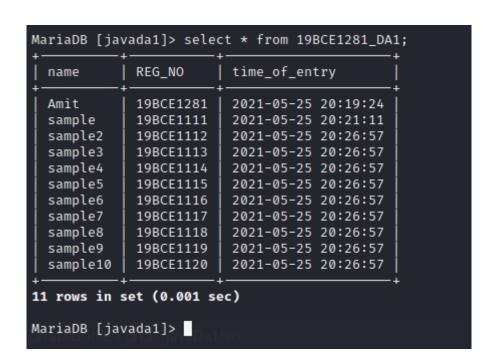
Choose Functionallity
1.insert records to database
2.display content of database
3.Update database

1

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

entering values from java console......

Updated values.



Now Deleting a value from <u>DB</u>: Deleting the row containing 19BCE1115:

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