

Day 12 Lab

1. You are developing a Java application to insert new customer information into a database. How would you use JDBC to achieve this? Provide sample code for inserting a new customer record.

```
package com.anudip.saurav;

import java.sql.*;

public class CustomerDetails{
    public static void main(String[] args) {
        try {
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/dbmsdemo?user=
saurav&password=saurav");
            Statement stmt=con.createStatement();
            String sql="insert into customer
(customerId,firstName,lastName) values\r\n"
                +"('C004','Aman', 'Singh')";
            int row=stmt.executeUpdate(sql);
            System.out.println(row + " row inserted successfully");
        }catch(Exception e) {
            System.out.println(e);
        }
    }
}
```

```
mysql> select * from customer;
+-----+-----+-----+
| customerId | firstName | lastName |
+-----+-----+-----+
| C001       | Saurav   | Pandey   |
| C002       | Surya    | Singh    |
| c003       | Sunil    | Tiwari   |
+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> select * from customer;
+-----+-----+-----+
| customerId | firstName | lastName |
+-----+-----+-----+
| C001       | Saurav   | Pandey   |
| C002       | Surya    | Singh    |
| c003       | Sunil    | Tiwari   |
| C004       | Aman     | Singh    |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

2. You need to delete a customer record based on their ID using JDBC. How would you implement this functionality? Provide sample code for deleting a customer.

```
3. package com.anudip.saurav;
4.
5.
6. import java.sql.*;
7.
8. public class DeleteCustDetails{
9.     public static void main(String[] args) {
10.         try {
11.             Connection
12.             con=DriverManager.getConnection("jdbc:mysql://localhost:3306/dbmsdemo
13.             ?user=saurav&password=saurav");
14.             Statement stmt=con.createStatement();
15.             String sql="delete from customer where
16.             customerId='c003'";
17.             int data=stmt.executeUpdate(sql);
18.             System.out.println(data + " record is
19.             deleted");
20.         } catch (Exception e) {
21.             System.out.println(e);
22.         }
23.     }
24. }
```

```
mysql> select * from customer;
+-----+-----+-----+
| customerId | firstName | lastName |
+-----+-----+-----+
| C001      | Saurav   | Pandey   |
| C002      | Surya    | Singh    |
| C004      | Aman     | Singh    |
+-----+-----+-----+
3 rows in set (0.00 sec)
```