**Program 1:**

Write a program to insert data of a customer in database. Use  customer data and perform database connectivity operation.

**Code:**

**JDBC connectivity code:**

package jdbcConnectivity;

import java.sql.Connection;

import java.sql.DriverManager;

public class CreateConnection {

    public static void main(String[] args) {

        try {

            //creating Connection object

         Connection con=null;

            //Register the driver

        Class.forName("com.mysql.cj.jdbc.Driver");

        //established the connection

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/customermanagementsystem",

                "root", "mysql");

        //printing Connection Object

        System.out.println("Connection: "+con);

        }catch (Exception e) {

            System.out.println(e);

        }

    }

}

**Code to insert data of a customer:**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

public class CustomerInsertionUsingStatement {

    public static void main(String[] args) {

        try (Connection con = ConnectDB.dbConnect();

        Statement st = con.createStatement();) {

            // Define the SQL INSERT statement

            String sql = "INSERT INTO customers (id, name, email) VALUES (101, 'John Doe', 'john@example.com')";

            // Execute the SQL statement to insert the new customer record

            int rowsAffected = statement.executeUpdate(sql);

            if (rowsAffected > 0) {

                System.out.println("New customer record inserted successfully.");

            } else {

                System.out.println("Insertion failed.");

            }

        } catch (SQLException e) {

            e.printStackTrace();

        }

    }

}

**Program 2:**

Write a program to delete data of a customer from database. Use customer data and perform database connectivity operation. Delete records using customer ID.

**Code:**

**JDBC connectivity code:**

package jdbcConnectivity;

import java.sql.Connection;

import java.sql.DriverManager;

public class CreateConnection {

    public static void main(String[] args) {

        try {

            //creating Connection object

         Connection con=null;

            //Register the driver

        Class.forName("com.mysql.cj.jdbc.Driver");

        //established the connection

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/customermanagementsystem",

                "root", "mysql");

        //printing Connection Object

        System.out.println("Connection: "+con);

        }catch (Exception e) {

            System.out.println(e);

        }

    }

}

**Code to delete data of a customer from the database:**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

public class CustomerDeletionUsingStatement {

    public static void main(String[] args) {

       try (Connection con = ConnectDB.dbConnect();

        Statement st = con.createStatement();) {

            // Define the SQL DELETE statement to delete a customer by ID (e.g., ID 101)

            String sql = "DELETE FROM customers WHERE id = 101";

            // Execute the SQL statement to delete the customer record

            int rowsAffected = statement.executeUpdate(sql);

            if (rowsAffected > 0) {

                System.out.println("Customer record deleted successfully.");

            } else {

                System.out.println("Deletion failed. Customer not found.");

            }

        } catch (SQLException e) {

            e.printStackTrace();

        }

    }

}