Problem

1. Write a program to insert data of a customer in database.

use customer data and perform database connectivity operation.

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-

**1.** **CustomerInsertionUsingStatement.java**

**i**mport 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, 'Bunny', 'bunny@gmail.com')";

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

int rowsAffected = st.executeUpdate(sql);

if (rowsAffected > 0) {

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

} else {

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

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

Output-

New customer record inserted successfully.

**CustomerUpdateUsingStatement.java**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;

public class CustomerUpdateUsingStatement {

public static void main(String[] args) {

try (Connection con = ConnectDB.dbConnect();

Statement st = con.createStatement();)

{

// Define the SQL UPDATE statement

String sql = "UPDATE customers SET email = 'bunnysharma@gamil.com' WHERE id = 101";

// Execute the SQL statement to update the customer's email address

int rowsAffected = st.executeUpdate(sql);

if (rowsAffected > 0) {

System.out.println("Customer's email address updated successfully.");

} else {

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

}

} catch (SQLException e) {

e.printStackTrace();

}

}

}

Output-

Customer's email address updated successfully.

**2. CustomerDeletionUsingStatement.java**

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 = st.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();

}

}

}

Output-

Customer record deleted successfully.