**Assignment No:-58**

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Batch: - Delta - DCA (Java) 2024 Date:-3/8/2024

**STUDENT MANAGEMENT SYSTEM**

**CRUD OPERATIONS: Make the menu program of all the given below operation.**

**Crud: Create retrieve update and delete**

**1. Admin can add the Student information**

**2. Admin can view the list of Students**

**3. Admin can edit the Student information**

**4. Admin can delete the Student information.**

**Employee Field: id, name, course, city, total marks, phone no.**

**Technology: Core Java, JDBC and Mysql**

package assignment58.JDBCMiniProject;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.Scanner;

public class JdbcMiniProject

{

static Connection *con*;

static String *insert*;

static String *select*;

static String *update*;

static String *delete*;

static PreparedStatement *ps*;

static Scanner *sc*;

public static void createConnection()

{

try

{

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

*con* = DriverManager.*getConnection*("jdbc:mysql://localhost:3306/assignmentno\_3","root","12345");

*insert*="insert into Employee values(?,?,?,?,?,?)";

*select*="select \* from Employee";

*update*="update Employee set Emp\_Name=?, Course=?, City=?, Total\_Marks=?, Phone\_No=? where Emp\_Id=?";

*delete*="delete from Employee where Emp\_Id=?";

}

catch (Exception e)

{

e.printStackTrace();

}

}

public static void insertQuery()

{

try

{

*ps* = *con*.prepareStatement(*insert*);

while(true)

{

Scanner sc = new Scanner(System.***in***);

System.***out***.println("enter Emp\_Id : ");

int id = sc.nextInt();

*ps*.setInt(1, id);

System.***out***.println("Enter Emp\_Name : ");

String name = sc.next();

*ps*.setString(2, name);

System.***out***.println("Enter Course : ");

String course = sc.next();

*ps*.setString(3, course);

System.***out***.println("Enter City : ");

String City = sc.next();

*ps*.setString(4, City);

System.***out***.println("Enter Total\_Marks : ");

double total\_Marks = sc.nextDouble();

*ps*.setDouble(5, total\_Marks);

System.***out***.println("Enter Phone\_No : ");

String phone\_No = sc.next();

*ps*.setString(6, phone\_No);

*ps*.addBatch();

System.***out***.println("Do you want to conitue press yes(y) or No (n) : ");

char c = sc.next().charAt(0);

if(c=='n')

break;

}

*ps*.executeBatch();

System.***out***.println("Data inserted successfully...\n");

}

catch (Exception e)

{

e.printStackTrace();

}

}

public static void selectQuery()

{

try

{

*ps* = *con*.prepareStatement(*select*);

ResultSet rs = *ps*.executeQuery();

System.***out***.println("+--------+----------+--------+------+-------------+----------+");

System.***out***.println("| Emp\_id | Emp\_Name | Course | City | Total\_Marks | Phone\_No |");

System.***out***.println("+--------+----------+--------+------+-------------+----------+");

while(rs.next())

{

System.***out***.println("| "+rs.getInt(1)+" | "+rs.getString(2)+" | "+rs.getString(3)+" | "+rs.getString(4)+" | "+rs.getDouble(5)+" | "+rs.getString(6)+" | ");

System.***out***.println("+--------+----------+--------+------+-------------+----------+");

}

}

catch (Exception e)

{

e.printStackTrace();

}

}

public static void updateQuery()

{

try

{

*sc* = new Scanner(System.***in***);

*ps* = *con*.prepareStatement(*update*);

System.***out***.println("Enter Emp\_Name : ");

String name = *sc*.next();

*ps*.setString(1, name);

System.***out***.println("Enter Course : ");

String course = *sc*.next();

*ps*.setString(2, course);

System.***out***.println("Enter City : ");

String City = *sc*.next();

*ps*.setString(3, City);

System.***out***.println("Enter Total\_Marks : ");

double total\_Marks = *sc*.nextDouble();

*ps*.setDouble(4, total\_Marks);

System.***out***.println("Enter Phone\_No : ");

String phone\_No = *sc*.next();

*ps*.setString(5, phone\_No);

System.***out***.println("enter Emp\_Id : ");

int id = *sc*.nextInt();

*ps*.setInt(6, id);

System.***out***.println("updeted successfull...");

*ps*.executeUpdate();

}

catch (Exception e)

{

e.printStackTrace();

}

}

public static void deleteQuery()

{

try

{

*sc* = new Scanner(System.***in***);

*ps* = *con*.prepareStatement(*delete*);

System.***out***.println("enter Emp\_Id : ");

int id = *sc*.nextInt();

*ps*.setInt(1, id);

System.***out***.println("deleted successfull...");

*ps*.executeUpdate();

}

catch (Exception e)

{

e.printStackTrace();

}

}

public static void main(String[] args) throws SQLException

{

try

{

*createConnection*();

Scanner sc = new Scanner(System.***in***);

System.***out***.print("Enter given choice\n");

int ch=1;

while(ch!=-1)

{

System.***out***.print(""

+ "-----------------------------------\n"

+ "1.Insert student information:\n"

+ "2.View the list of student:\n"

+ "3.Edit the student information:\n"

+ "4.Delete the student information:\n"

+ "5.Terminate the loop:\n");

ch=sc.nextInt();

switch(ch)

{

case 1: *insertQuery*();

break;

case 2 : *selectQuery*();

break;

case 3 : *updateQuery*();

break;

case 4 : *deleteQuery*();

break;

case 5 : ch=-1;

System.***out***.println("Teriminated...!");

break;

}

}

}

catch (Exception e)

{

e.printStackTrace();

}

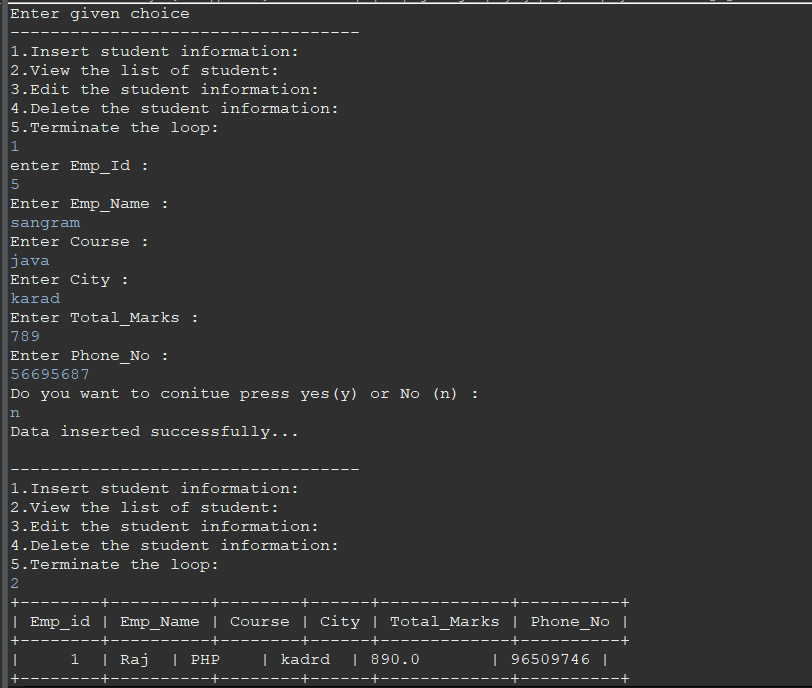
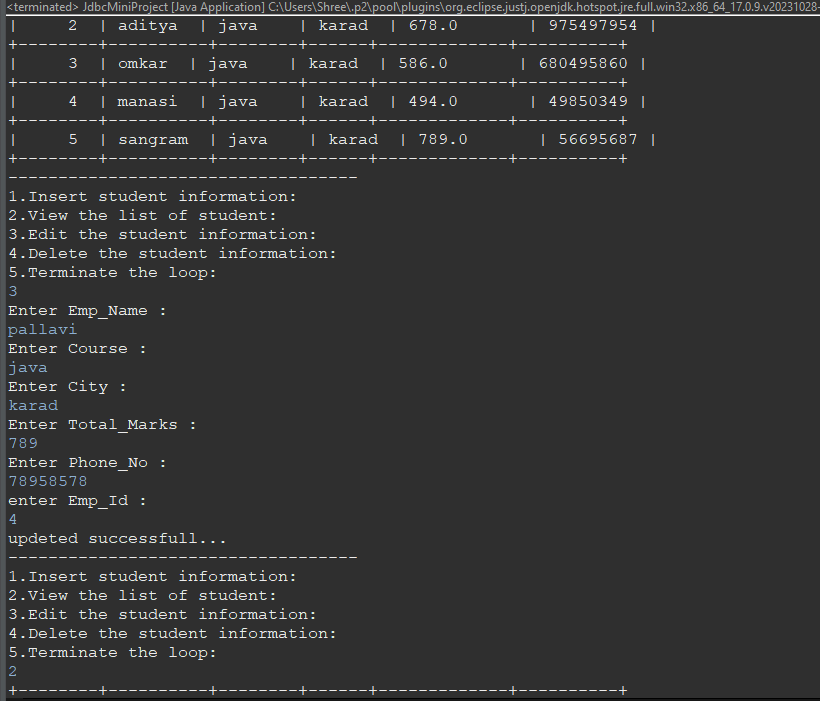
finally {

*con*.close();

}

}

}

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