Assignment 5

Title:- Store the employee record in a database with fields Empid, dept\_name, Emp\_name, Emp-type , DA, HRA and Basic. Design an application using Java which calculates the salary of an employee based on the type of employee. Use JDBC for database connectivity.

Code:

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\*/

package javaapplication6;

import java.sql.\*;

import java.util.Scanner;

/\*\*

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\* @author Lenovo

\*/

public class JavaApplication6 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

int inp;

Scanner sc = new Scanner(System.in);

try {

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/employee", "root", "ajayrathod");

Statement statement = conn.createStatement();

/\* // create table query execution

String createTable = "CREATE TABLE employee("

+"emp\_id VARCHAR(8) primary key,"

+"emp\_name VARCHAR(20),"

+"emp\_designation VARCHAR(20),"

+"emp\_basic\_sal INT,"

+"hra INT,"

+"da INT);";

statement.execute(createTable);

\*/

do {

System.out.println("1:- Insert Data");

System.out.println("2:- Delete Data");

System.out.println("3:- Update Data");

System.out.println("4:- Read Single Employee");

System.out.println("5:- Read All Employees");

System.out.println("6:- Exit");

System.out.println("Enter Your Choice");

inp = sc.nextInt();

switch (inp) {

case 1:

System.out.println("Enter Employee ID");

sc.nextLine();

String id = sc.nextLine();

System.out.println("Enter Employee Name");

String name = sc.nextLine();

System.out.println("Enter Employee Designation");

String designation = sc.nextLine();

System.out.println("ENter EMployee basic Salary");

int salary = sc.nextInt();

System.out.println("ENter EMployee HRA");

int hra = sc.nextInt();

System.out.println("ENter EMployee DA");

int da = sc.nextInt();

String insertQUery = "insert into employee values('"

+ id + "','"

+ name + "','"

+ designation + "','"

+ salary + "','"

+ hra + "','"

+ da + "');";

int rowAffected = statement.executeUpdate(insertQUery);

if (rowAffected > 0) {

System.out.println("Inserted Data SUccesFully");

}

break;

case 2:

System.out.println("ENter Employee ID whose record you want to delete");

sc.nextLine();

String emp\_id = sc.nextLine();

String deleteQuery = "delete from employee where emp\_id='"

+ emp\_id + "';";

int rows = statement.executeUpdate(deleteQuery);

if (rows > 0) {

System.out.println("Deleted Data SUccesFully");

}

break;

case 3:

System.out.println("ENter Employee ID whose record you want to update");

sc.nextLine();

String employee\_id = sc.nextLine();

System.out.println("Enter Employee Name");

String emp\_name = sc.nextLine();

System.out.println("Enter Employee Designation");

String emp\_designation = sc.nextLine();

System.out.println("ENter EMployee basic Salary");

int emp\_salary = sc.nextInt();

System.out.println("ENter EMployee HRA");

int emp\_hra = sc.nextInt();

System.out.println("ENter EMployee DA");

int emp\_da = sc.nextInt();

String updateQuery = "update employee set emp\_name='"

+ emp\_name + "', emp\_designation='"

+ emp\_designation + "', emp\_basic\_sal='"

+ emp\_salary + "',hra='"

+ emp\_hra + "',da='"

+ emp\_da + "'where emp\_id='"

+ employee\_id + "';";

int updateCount = statement.executeUpdate(updateQuery);

if (updateCount > 0) {

System.out.println("Record Updated Successfully");

}

break;

case 4:

System.out.println("ENter Employee ID whose record you want to retreive");

sc.nextLine();

String employeeID = sc.nextLine();

String selectQuery = "select \* from employee where emp\_id='"

+ employeeID + "';";

ResultSet resultSet = statement.executeQuery(selectQuery);

while (resultSet.next()) {

System.out.println("Employee ID :-" + resultSet.getString("emp\_id"));

System.out.println("Employee Name :-" + resultSet.getString("emp\_name"));

System.out.println("Employee Designation :-" + resultSet.getString("emp\_designation"));

System.out.println("Employee Salary :-" + resultSet.getInt("emp\_basic\_sal"));

System.out.println("Employee Salary :-" + resultSet.getInt("hra"));

System.out.println("Employee Salary :-" + resultSet.getInt("da"));

int gross

= resultSet.getInt("da") + resultSet.getInt("hra") + resultSet.getInt("emp\_basic\_sal");

System.out.println("Employee Gross Salary :-" + gross);

System.out.println();

}

break;

case 5:

String select = "select \* from employee";

ResultSet rs = statement.executeQuery(select);

while (rs.next()) {

System.out.println("Employee ID :-" + rs.getString("emp\_id"));

System.out.println("Employee Name :-" + rs.getString("emp\_name"));

System.out.println("Employee Designation :-" + rs.getString("emp\_designation"));

System.out.println("Employee Salary :-" + rs.getInt("emp\_basic\_sal"));

System.out.println("Employee Salary :-" + rs.getInt("hra"));

System.out.println("Employee Salary :-" + rs.getInt("da"));

System.out.println("Employee Gross Salary :-"+rs.getInt("da")+rs.getInt("hra")+rs.getInt("emp\_basic\_sal"));

System.out.println();

}

break;

case 6:

break;

default:

System.out.println("Enter Correct Choice");

break;

}

} while (inp != 6);

} catch (Exception e) {

e.printStackTrace();

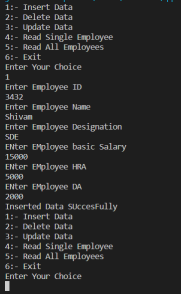
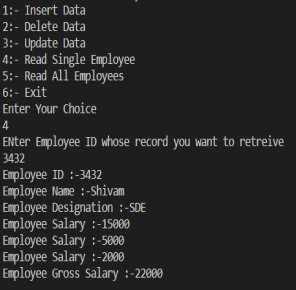
}

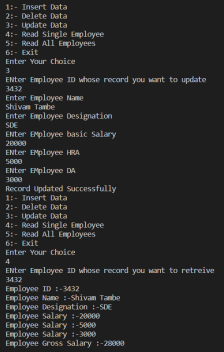
sc.close();

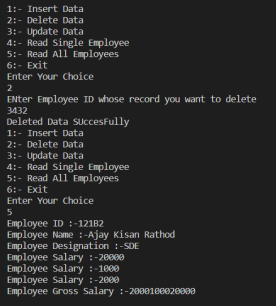
}

}

Output:

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