**ASSIGNMENT 2**

//Created Class Library

namespace LitwareLib

{

public class Employee

{

private int EmpNo { get; set; }

private string EmpName { get; set; }

private double Salary { get; set; }

private double HRA { get; set; }

private double TA { get; set; }

private double DA { get; set; }

private double PF { get; set; }

private double TDS { get; set; }

private double NetSalary { get; set; }

private double GrossSalary { get; set; }

public Employee(int emp\_num,string emp\_name,double sal)

{

EmpNo = emp\_num;

EmpName = emp\_name;

Salary = sal;

if (Salary < 5000)

{

HRA = 10 / 100 \* Salary;

TA = 5 / 100 \* Salary;

DA = 15 / 100 \* Salary;

GrossSalary = Salary + HRA + TA + DA;

}

else if (Salary >= 5000 && Salary < 10000)

{

HRA = 15 / 100 \* Salary;

TA = 10 / 100 \* Salary;

DA = 20 / 100 \* Salary;

GrossSalary = Salary + HRA + TA + DA;

}

else if (Salary >= 10000 && Salary < 15000)

{

HRA = 20 / 100 \* Salary;

TA = 15 / 100 \* Salary;

DA = 25 / 100 \* Salary;

GrossSalary = Salary + HRA + TA + DA;

}

else if (Salary >= 15000 && Salary < 20000)

{

HRA = 25 / 100 \* Salary;

TA = 20 / 100 \* Salary;

DA = 30 / 100 \* Salary;

GrossSalary = Salary + HRA + TA + DA;

}

else if (Salary >= 20000)

{

HRA = 30 / 100 \* Salary;

TA = 25 / 100 \* Salary;

DA = 35 / 100 \* Salary;

GrossSalary = Salary + HRA + TA + DA;

}

}

public void CalculateSalary()

{

PF = 10 / 100 \* GrossSalary;

TDS = 18 / 100 \* GrossSalary;

NetSalary = GrossSalary - (PF + TDS);

Console.WriteLine("NetSalary of Employee:{0}", NetSalary);

Console.WriteLine("PF of Employee:{0}", PF);

}

public int empno

{

get { return EmpNo; }

set { EmpNo = value; }

}

public string name

{

get { return EmpName; }

set { EmpName = value; }

}

public double salary

{

get { return Salary; }

set { Salary = value; }

}

public double gs

{

get { return GrossSalary; }

set { GrossSalary = value; }

}

}

}

//Added Class Library in the Console App

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using LitwareLib;

class EmpManagement

{

public static void Main(string[] args)

{

int ch, i = 0;

Employee[] e = new Employee[9];

List<Employee> employees = new List<Employee>(9);

do

{

Console.WriteLine("press 1 to register new employee\npress 2 to display all employee\npress 3 to exit");

Console.WriteLine("enter your choice");

ch = Convert.ToInt32(Console.ReadLine());

if (ch == 1)

{

Console.WriteLine("Enter Employee No");

int a = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter Employee Name");

string b = Console.ReadLine();

Console.WriteLine("Enter Employee's Salary");

double c = Convert.ToDouble(Console.ReadLine());

e[i] = new Employee(a, b, c);

employees.Add(e[i]);

i++;

}

else if (ch == 2)

{

for (int j = 0; j <= employees.Count; j++)

{

Employee emp = employees[j];

Console.WriteLine("id={0} , name={1}, salary= {2}, gross salary={3}", emp.empno, emp.name, emp.salary, emp.gs);

}

}

else if (ch == 3)

{

break;

}

} while (ch != 0); Console.ReadKey();

}

}