2. CSharp OOPs Assignment

**Program.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace \_2\_CSharpOOPsAssign

{

internal class Program

{

static void Main(string[] args)

{

Employee emp = new Employee();

emp.getDetails();

emp.display();

Console.ReadKey();

}

}

}

**Employee.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace \_2\_CSharpOOPsAssign

{

internal class Employee

{

private int EmpNo;

private string EmpName;

private double Salary, HRA, TA, PF, DA, TDS, NetSalary, GrossSalary;

public void getDetails()

{

Console.WriteLine("Please enter your Emp No.");

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

Console.WriteLine("Please enter your Name");

EmpName = Console.ReadLine();

Console.WriteLine("Please enter your Salary");

Salary = Convert.ToDouble(Console.ReadLine());

}

public void calculateSalary(double Salary)

{

try

{

if (Salary < 5000)

{

HRA = Salary \* 10 / 100; TA = Salary \* 5 / 100; DA = Salary \* 15 / 100;

}

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

{

HRA = Salary \* 15 / 100; TA = Salary \* 10 / 100; DA = Salary \* 20 / 100;

}

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

{

HRA = Salary \* 20 / 100; TA = Salary \* 15 / 100; DA = Salary \* 25 / 100;

}

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

{

HRA = Salary \* 25 / 100; TA = Salary \* 20 / 100; DA = Salary \* 30 / 100;

}

else

{

HRA = Salary \* 30 / 100; TA = Salary \* 25 / 100; DA = Salary \* 35 / 100;

}

GrossSalary = Salary + HRA + TA + DA;

}

catch (DivideByZeroException)

{

Console.WriteLine("Salary cannot be zero");

}

catch (Exception ex)

{

Console.WriteLine("Give a proper salary ");

}

PF = GrossSalary \* 10 / 100;

TDS = GrossSalary \* 18 / 100;

NetSalary = GrossSalary - (PF + TDS);

}

public void display()

{

calculateSalary(Salary);

Console.WriteLine("Employee No. : " + EmpNo);

Console.WriteLine("Employee Name : " + EmpName);

Console.WriteLine("Gross salary : " + GrossSalary);

Console.WriteLine("PF : " + PF);

Console.WriteLine("TDS : " + TDS);

Console.WriteLine("NET Salary : " + NetSalary);

}

}

}