**1st Program :**

**Employee Class:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeManagement

{

internal class Employee

{

private int EmpNo;

private string EmpName;

private double Salary;

private double HRA;

private double TA;

private double DA;

private double PF;

private double TDS;

private double NetSalary;

private double GrossSalary;

public void DetailsDisplay()

{

Console.WriteLine("Enter Employee ID : ");

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

Console.WriteLine("Enter Employee Name : ");

this.EmpName = Console.ReadLine();

Console.WriteLine("Enter Employee Salary : ");

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

}

public int Emp\_No

{

get { return EmpNo; }

set { EmpNo = value; }

}

public string Emp\_Name

{

get { return EmpName; }

set { EmpName = value; }

}

public double Salary\_Data

{

get { return Salary; }

set { Salary = value; }

}

public double HRA\_info

{

get { return HRA; }

set { HRA = value; }

}

public double TA\_info

{

get { return TA; }

set { TA = value; }

}

public double DA\_info

{

get { return DA; }

set { DA = value; }

}

public double PF\_info

{

get { return PF; }

set { PF = value; }

}

public double TDS\_info

{

get { return TDS; }

set { TDS = value; }

}

public double Net\_Salary

{

get { return NetSalary; }

set { NetSalary = value; }

}

public double Gross\_Salary

{

get { return GrossSalary; }

set { GrossSalary = value; }

}

public double getSalary()

{

if(Salary<5000)

{

HRA\_info = (Salary \* 10) / 100;

TA\_info = (Salary \* 5) / 100;

DA\_info = (Salary \* 15) / 100;

}

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

{

HRA\_info = (Salary \* 15) / 100;

TA\_info = (Salary \* 10) / 100;

DA\_info = (Salary \* 20) / 100;

}

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

{

HRA\_info = (Salary \* 20) / 100;

TA\_info = (Salary \* 15) / 100;

DA\_info = (Salary \* 25) / 100;

}

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

{

HRA\_info = (Salary \* 25) / 100;

TA\_info = (Salary \* 20) / 100;

DA\_info = (Salary \* 30) / 100;

}

else

{

HRA\_info = (Salary \* 30) / 100;

TA\_info = (Salary \* 25) / 100;

DA\_info = (Salary \* 35) / 100;

}

return GrossSalary = Salary + HRA\_info + TA\_info + DA\_info;

}

public double CalculateSalary()

{

PF = (GrossSalary \* 10) / 100;

TDS = (GrossSalary \* 18) / 100;

return NetSalary = GrossSalary - (PF+TDS);

}

}

}

LitwareLib Class:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace EmployeeManagement

{

class LitwareLib

{

public static void Main(string[] args)

{

Employee e = new Employee();

try

{

e.DetailsDisplay();

}

catch (Exception ex)

{

Console.WriteLine(ex.Message);

}

e.getSalary();

e.CalculateSalary();

Console.WriteLine("Gross Salary Details : {0}",e.Gross\_Salary);

}

}

}