ASSIGNMENT NO-02

1) Develop Employee Management System for Litware Organization. Write a Class Library project LitwareLib.

a) Add class Employee with following private members:

- EmpNo int
- EmpName string
- Salary double
- HRA double
- TA double
- DA double
- PF double
- TDS double
- NetSalary double
- GrossSalary double.

Write methods for accepting EmpNo, EmpName and Salary. HRA, TA, DA, PPF, TDS, NET, GROSS should be calculated automatically. Follow the table for calculations.

Salary	HRA % of Salary	TA % of Salary	DA % of Salary
<5000	10	5	15
<10000	15	10	20
<15000	20	15	25
<20000	25	20	30
>=20000	30	25	35

GrossSalary = Salary + HRA + TA + DA.

Calculate PF, TDS and Net salary in a function named "CalculateSalary()"

PF = 10 % of GrossSalary. TDS
= 18 % of GrossSalary.
NetSalary = GrossSalary – (PF + TDS).

Program:

Employee.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace lib
{
```

```
public class Employee1
 {
    private int empid;
    private string empname;
    private double salary;
    private double hra;
    private double ta;
    private double da;
    private double pf;
    private double tds;
    private double netsal;
    private double grosssal;
    public double getgrosssal(int a, string b, int s)
    {
       salary = s;
       if (salary < 5000)
       {
          grosssal = salary + (salary * 0.1) + (salary * 0.05) + (salary * 0.15);
          // return s;
       }
       else if (salary > 5000 && salary <= 10000)
       {
          grosssal = salary + (salary * 0.15) + (salary * 0.10) + (salary * 0.20);
          // return s;
       }
       else if (salary > 10000 && salary <= 15000)
       {
          grosssal = salary + (salary * 0.25) + (salary * 0.15) + (salary * 0.25);
          // return s;
       }
       else if (salary > 15000 && salary <= 20000)
       {
          grosssal = salary + (salary * 0.25) + (salary * 0.20) + (salary * 0.30);
          // return s;
       }
       else if (salary > 20000)
       {
          grosssal = salary + (salary * 0.30) + (salary * 0.25) + (salary * 0.35);
          // return s;
       }

       return grosssal;
```

```
        }
        public double CalculateSalary(double x)

        {

            pf = (0.10 * x);
            tds = (0.18 * x);
            netsal = x - (pf + tds);
            return netsal;
        }
    }
}
```

DDL

```
using System;

using LitwareLib;
namespace Final_Second_assmnt
{
    class Program
    {
        static void Main(string[] args)
        {
            int empid;
            string name;
            int sal;
            double answer;
            double finalamount;

            Employee emp = new Employee();
            Console.WriteLine("Enter Your Emloyee Id: ");
            empid = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter Your Emloyee name: ");
            name = Console.ReadLine();
            Console.WriteLine("Enter Your Emloyee Salary: ");
            sal = Convert.ToInt32(Console.ReadLine());
            answer = emp.getgrosssal(empid, name, sal);
```

```
            finalamount = emp.CalculateSalary(answer);
            Console.WriteLine("-------------------------------------------------");
            Console.WriteLine("\n Your NetSalary Is {0}", finalamount);
            Console.ReadKey();

        }
    }
}
```

Output: