

.NET

ASSIGNMENT NO -01

Prajwal_77

Q1. Create a Class Employee with the following specifications

Properties

string Name -> no blank names should be allowed

int EmpNo -> must be greater than 0

decimal Basic -> must be between some range

short DeptNo -> must be > 0

Methods

decimal GetNetSalary () -> returns calculated net salary (Use any formula to get net salary based on Basic salary)

Create constructors to accept initial values for Employee obj

eg

Employee o1 = new Employee (1,"Amol",123465, 10);

Employee o2 = new Employee(1,"Amol",123465);

Employee o3 = new Employee(1,"Amol");

Employee o4 = new Employee (1);

Employee o5 = new Employee ();

SOLUTION –

```
namespace Assignment_Day_2
{
    internal class Program
    {
        static void Main()
        {
            //class1 o1 = new class1(1, "Amol", 123465, 10);
            //class1 o2 = new class1(1, "Amol", 123465);
            //class1 o3 = new class1(1, "Amol");
            //class1 o4 = new class1(1);
            Employee o = new Employee();
            o.Name = "PRAJWAL";
            Console.WriteLine(o.Name);
            o.EmpNo = 1;
            Console.WriteLine(o.EmpNo);
            o.Basic = 30000;
            Console.WriteLine(o.Basic);
            o.DeptNo = 101;
            Console.WriteLine(o.DeptNo);
            o.GetNetSalary();
        }
    }

    public class Employee
    {
        private string name;
        private int empNo;
        private decimal basic;
        private short deptNo;

        public string Name
        {
            set
            {
                if (value == "PRAJWAL")
                    name = value;
                else
                    Console.WriteLine("invalid Name");
            }
            get
            {
                return name;
            }
        }

        public int EmpNo
        {

```

```

        set
        {
            if (value > 0)
                empNo = value;
            else
                Console.WriteLine("invalid empno");
        }
        get
        {
            return empNo;
        }
    }

    public decimal Basic
    {
        set
        {
            if (value > 20000 && value < 40000)
                basic = value;
            else
                Console.WriteLine("invalid empno");
        }
        get
        {
            return basic;
        }
    }

    public short DeptNo
    {
        set
        {
            if (value > 0)
                deptNo = value;
            else
                Console.WriteLine("invalid empno");
        }
        get
        {
            return deptNo;
        }
    }

    public void GetNetSalary()
    {
        basic = basic * (decimal)12 * (decimal)0.5;
        Console.WriteLine(basic);
    }
}

```