## Q2). Create a Class Employee with the following specifications

```
Properties
string Name -> no blank names should be allowed
int EmpNo -> must be readonly and autogenerated
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
Employee o1 = new Employee("Amol",123465, 10);
Employee o2 = new Employee("Amol",123465);
Employee o3 = new Employee("Amol");
Employee o4 = new Employee();
EmpNo must be autogenerated ... i.e. first object
should automatically get EmpNo 1 second object
should automatically get EmpNo 2 third object
should automatically get EmpNo 3 ...and so on...
Test Cases
Employee o1 = new Employee()
Employee o2 = new Employee() Employee
o3 = new Employee()
cw(o1.EmpNo) cw(o2.EmpNo)
cw(o3.EmpNo)
cw(o3.EmpNo) cw(o2.EmpNo)
cw(o1.EmpNo)
namespace AssignmentQ2
    internal class Program
        static void Main(string[] args)
```

// calling static property
Employee.Name = "Prajwal";

```
Console.WriteLine("Employee Name: " + Employee.Name);
        Employee e1 = new Employee();
        e1.Basic = 7500;
        Console.WriteLine("Basic: " + e1.Basic);
        e1.DeptNo = 10;
        Console.WriteLine("Department No: " + e1.DeptNo);
        //Calling Method
        Console.WriteLine("Net Salary: " + e1.GetNetSalary());
        //Calling Constructor
        Employee o1 = new Employee();
        Employee o2 = new Employee();
        Employee o3 = new Employee();
        Console.WriteLine("EmpNo: " + o1.EmpNo);
        Console.WriteLine("EmpNo: " + o2.EmpNo);
        Console.WriteLine("EmpNo: " + o3.EmpNo);
        Console.WriteLine("EmpNo: " + o3.EmpNo);
        Console.WriteLine("EmpNo: " + o2.EmpNo);
        Console.WriteLine("EmpNo: " + o1.EmpNo);
    }
public class Employee
    //fields
    private static string name;
    private decimal basic;
   private short deptno;
    private int empNo;
    private string empname;
    private decimal netsalary;
   private static int lastEmpNo = 0;
    //Properties
   public static string Name
        set
        {
            if (string.IsNullOrWhiteSpace(value))
                Console.WriteLine("Empty String Not allowed");
            else
                name = value;
        }
        get
        {
            return name;
        }
    }
    //Properties
    public decimal Basic
        set
        {
            if ((value > 5000) && (value < 10000))</pre>
                basic = value;
```

```
else
                    Console.WriteLine("Value not in the given range");
            }
            get { return basic; }
        }
        //Properties
        public short DeptNo
            set
            {
                if (value > 0)
                    deptno = value;
                else
                    Console.WriteLine("Department no must be > 0");
            }
            get { return deptno; }
        }
        //Method
        public decimal GetNetSalary()
            netsalary = basic * 12 * (decimal)0.5;
            return netsalary;
        }
        //Properties
        public int EmpNo
            get;
        }
        //Create constructors to accept initial values for Employee obj
        public Employee(string empname = "noname", decimal Basic = 7500, short
DeptNo = 10)
        {
            this.EmpNo = ++lastEmpNo;
            this.Basic = Basic;
            this.DeptNo = DeptNo;
            this.empname = empname;
        }
    }
}
```

```
Employee Name: Prajwal
Basic: 7500
Department No: 10
Net Salary: 45000.0
EmpNo: 2
EmpNo: 3
EmpNo: 4
EmpNo: 3
EmpNo: 3
EmpNo: 2
E:\.NET WORKSPACE-1\DAY4\Assignment2\bin\Debug\net6.0\Assignment2.exe (process 2296) exited with code 0.
Press any key to close this window . . .
```