2) Research and write what is the difference between normal properties and Auto-implemented properties.
WACP to illustrate normal properties
WACP to issustrate auto-implemented properties

DIFFERENCE BETWEEN NORMAL PROPERTIES AND AUTO-IMPLEMENTING PROPERTIES

- In normal property both {get, set} accessor is present.
- Auto-Implementing properties must have {get} accessor.
- Read-Only Properties: When property contains only get method.
- Write Only Properties: When property contains only set method.

CODE:

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

namespace Day14Project2
{
    internal class Program
    {
        class Employee
        {
            private int id;
            private string name;
            private string designation;

            public int Id
            {
                get { return id; }
                set { id = value; }

            }
            public string Name
            {
                get { return name; }
                set { name = value; }
            }
            public string Designation
            {
                set
                {
                    designation = value;
```

```csharp
            }
        }
        public int Salary
        {
            get
            {
                if (designation == "M")
                    return 100000;

                else if (designation == "HR")
                    return 60000;

                else if (designation == "TR")
                    return 50000;
                else
                    return 35000;
            }
        }
    }
    static void Main(string[] args)
    {
        Console.WriteLine("\n --------------**** NB Salary Details ****--------------
\n");

        Employee emp1 = new Employee();
        emp1.Id = 54;
        emp1.Name = "john";
        emp1.Designation = "M";

        Console.WriteLine($"{ emp1.Id}, { emp1.Name}, { emp1.Salary}");

        Employee emp2 = new Employee();
        emp1.Id = 102;
        emp1.Name = "sarath";
        emp1.Designation = "new";

        Console.WriteLine($"{ emp1.Id}, { emp1.Name}, { emp1.Salary}");

        Console.ReadLine();

    }
  }
}
```

OUTPUT:

```
                --------------**** NB Salary Details ****--------------

54, john, 100000
102, sarath, 35000
```