Code:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CSharp\_Assignment\_2

{

class Program

{

static void Main(string[] args)

{

Person[] Personclass = new Person[5];

Console.WriteLine("--------------Students------------");

Personclass[0] = new Student("Suba", 90);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Students------------");

Personclass[0] = new Student("Sree", 70);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Students------------");

Personclass[0] = new Student("Raji", 100);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Students------------");

Personclass[0] = new Student("Jegan", 95);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Students------------");

Personclass[0] = new Student("Rama", 50);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Professor------------");

Personclass[0] = new Professor("SubaSree", 8);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Professor------------");

Personclass[0] = new Professor("Jegan", 7);

Student\_Message(Personclass[0].IsOutStanding());

Console.WriteLine("--------------Professor------------");

Personclass[0] = new Professor("Raji", 2);

Student\_Message(Personclass[0].IsOutStanding());

Console.ReadLine();

}

static void Student\_Message(bool result)

{

if(result)

{

Console.WriteLine("The student is outstanding by scoring above 85!!");

}

else

{

Console.WriteLine("The student is not outstanding by scoring below 85!!");

}

}

static void Professor\_Message(bool result)

{

if (result)

{

Console.WriteLine("The professor is outstanding by publishing more than 4 books!!");

}

else

{

Console.WriteLine("The professor is not outstanding by publishing less than 4 books!!");

}

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CSharp\_Assignment\_2

{

public class Person

{

public string Name { get; set; }

#region Constructor

public Person()

{

}

public Person(string Name)

{

this.Name = Name;

}

#endregion Constructor

#region Method

public virtual bool IsOutStanding()

{

return true;

}

#endregion Method

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CSharp\_Assignment\_2

{

public class Student :Person

{

public double percentage { get; set; }

#region Constructor

public Student()

{

}

public Student(string name, double Percentage)

{

this.percentage = Percentage;

this.Name = name;

}

#endregion Constructor

#region Method

public void display(out string message)

{

message = "Student Name :" + this.Name + " has scroed " + this.percentage + "percentage";

}

public override bool IsOutStanding()

{

string Message;

display(out Message);

Console.WriteLine(Message);

return percentage > 85;

}

#endregion Method

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CSharp\_Assignment\_2

{

public class Professor :Person

{

public int bookPublished { get; set; }

#region Constructor

public Professor()

{

}

public Professor(string name,int bookpublished)

{

this.bookPublished = bookPublished;

this.Name = name;

}

#endregion Constructor

#region Method

public void print(out string message)

{

message = "Professor Name :" + this.Name + " has published " + this.bookPublished + "number of books";

}

public override bool IsOutStanding()

{

string Message;

print(out Message);

Console.WriteLine(Message);

return bookPublished > 4;

}

#endregion Method

}

}

OutPut:

