using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Question\_2\_Assignment\_4

{

class Person

{

public int age;

//Create Method

public void SetAge(int n)

{

age = n;

}

//Create another Method

public void Greet()

{

Console.WriteLine("Hello!");

}

}

class Student : Person

{

//Create Method

public void GoToClasses()

{

Console.WriteLine("I'm going to Class.");

}

//Create another Method

public void ShowAge()

{

Console.WriteLine("My Age is {0} years old. " , age);

}

}

class Teacher : Person

{

//Declare private field

private string subject = "Computer Science";

//Create Method

public void Explain()

{

Console.WriteLine("Explanation Begins.");

}

//Create Another Method

public void Subject()

{

Console.WriteLine("I am specilist in {0}!",subject);

}

}

internal class StudentAndTeacherTest

{

static void Main(string[] args)

{

//Create Object for Person Class

Console.WriteLine("Person's Object:");

Person person = new Person();

person.Greet(); //Person's own Method

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

Console.WriteLine();

//Create Object for Student Class

Console.WriteLine("Student's Object:");

Student student = new Student();

student.Greet(); //Person's Method but accessed by derived class.

student.SetAge(23);//Person's Method but accessed by derived class.

student.ShowAge(); // Student's own Method.

student.GoToClasses(); // Student's own Method.

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

Console.WriteLine();

//Create Object for Teacher Class

Console.WriteLine("Teacher's Object:");

Teacher teacher = new Teacher();

Console.WriteLine("I am a Teacher and my age is 30 years old.");

teacher.Greet(); //Person's Method but accessed by derived class.

teacher.Explain(); // Teacher's own Method.

teacher.Subject(); // Teacher's own Method.

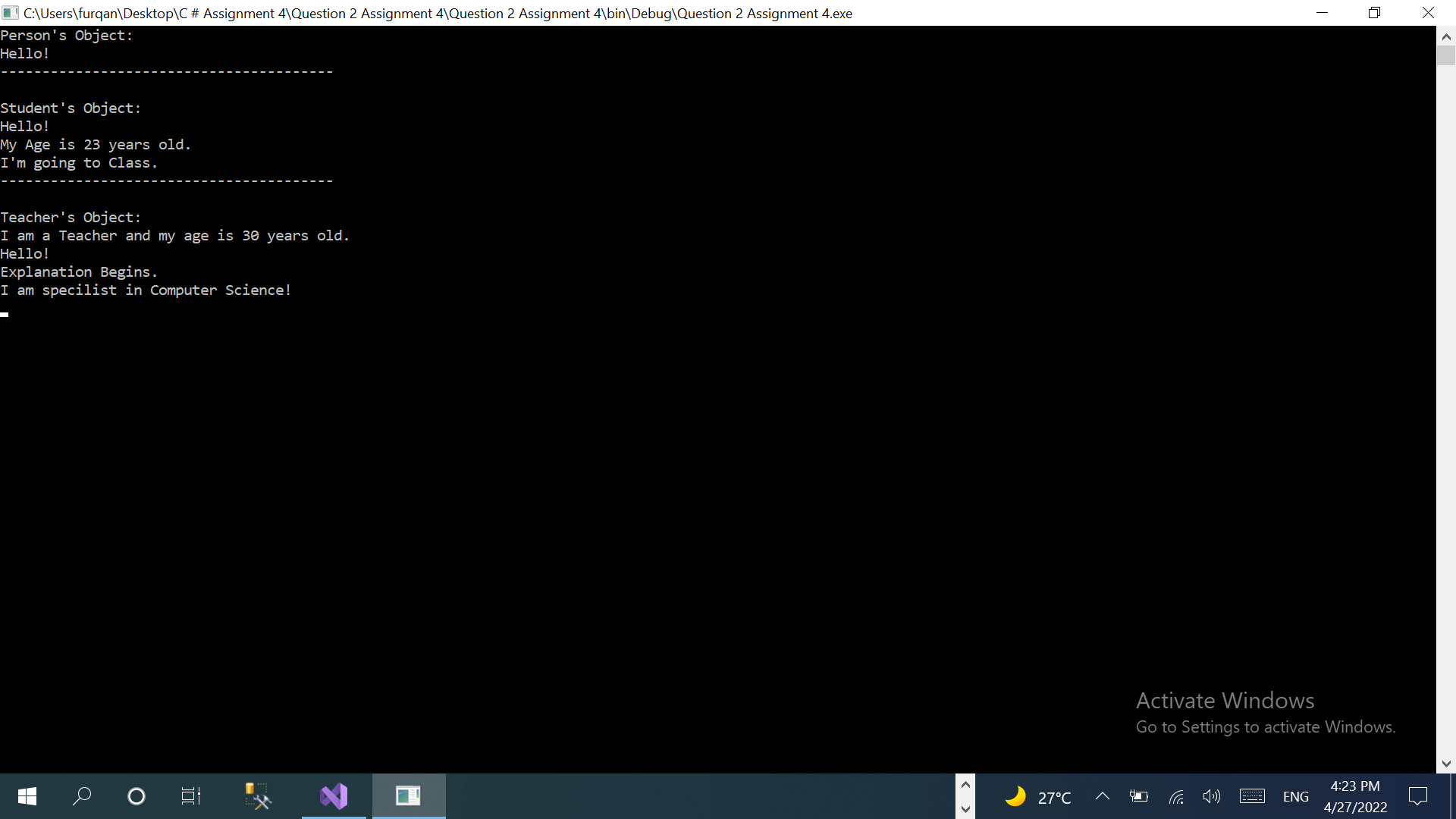
Console.Read();

}

}

}

**Output**

****