

Example (1): Create a windowsform C# project that read a student info ( name(string) Address( string ) ,age ( double) sex( char), marks ( m1,m2,m2,m3) ( double) Then display the result as ( fail/pass), and the average if the students four marks greater than 50 .

Solution :

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace studentwithoutmethod
{
    public partial class Form1 : Form    {
        public Form1()
        {
            InitializeComponent();
        }

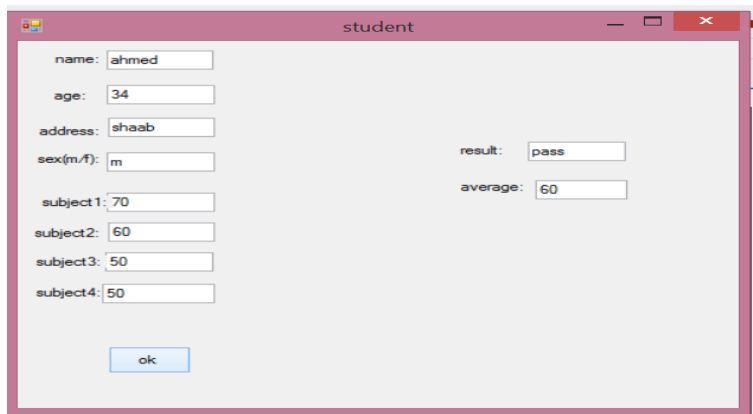
        private void Form1_Load(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string name,address,result;
            char sex;
            double age,m1,m2,m3,m4,average;
            //read name
            name = textBox1.Text;
            //read age as a string then convert to double
            age = Convert.ToDouble(textBox2.Text);
            //read address
            address = textBox3.Text;
            //read sex as striing then convert charcter (f=female m=mail)
            sex = Convert.ToChar(textBox4.Text);
            //read mark for four subjects
            m1 = Convert.ToDouble(textBox5.Text);
            m2 = Convert.ToDouble(textBox6.Text);
            m3 = Convert.ToDouble(textBox7.Text);
            m4 = Convert.ToDouble(textBox8.Text);
            // check if the student pass or fail
            if ((m1 > 50) && (m2 > 50) && (m3 > 50) && (m4 > 50))
            {result = "pass";
                average=(m1+m2+m3+m4)/4;
                textBox10.Text=Convert.ToString(average);}
            else result="fail";
            // display the result
            textBox9.Text =result;
        }
    }
}
```

```
    }  
  
    private void textBox9_TextChanged(object sender, EventArgs e)  
    {  
    }  
}  
}
```

Output :

1) if the student pass :

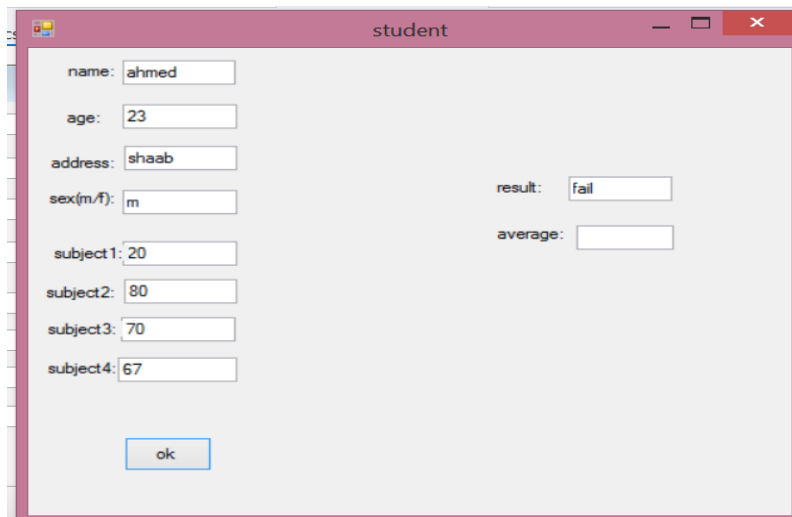


The screenshot shows a Windows application window titled "student". The window contains a form with the following fields and values:

Field	Value
name:	ahmed
age:	34
address:	shaab
sex(m/f):	m
subject1:	70
subject2:	60
subject3:	50
subject4:	50
result:	pass
average:	60

An "ok" button is located at the bottom left of the form.

2)if the student fail :



The screenshot shows a Windows application window titled "student". The window contains a form with the following fields and values:

Field	Value
name:	ahmed
age:	23
address:	shaab
sex(m/f):	m
subject1:	20
subject2:	80
subject3:	70
subject4:	67
result:	fail
average:	

An "ok" button is located at the bottom left of the form.

Exercise: re-write the program :

1)read the values from the program.

2) add method that calculate the average if the student pass the exam.