

Forum:[Hack Forums](#)

Thread: [C# easy homework, math not working. int equal = numbers.max\(\)-numbers.min\(\) <- ??](#)

svavart - February 3, 2012, 11:09 am

The following code won't show the correct answer.

(Suppose to show the answer to highest number - lowest number.)

code:

```
Code string texti = textBox1.Text;
    string[] strengur = texti.Split(',');
    int[] tolur = new int[texti.Length];
    int mismunur = 0 ;
    //var hætta
    for (int i = 0; i < strengur.Length; i++)
    {
        tolur[i] = Convert.ToInt32(strengur[i]);
    }
    //test
    MessageBox.Show(tolur.Max()+" "+tolur.Min());
    //test
    mismunur = tolur.Max()-tolur.Min();
    MessageBox.Show("Lesnar voru inn tölurnar:\n"+texti+"\n En mismunurinn á hæstu og lægstu tölunni er:"+mismunur);
```

Silicon - February 3, 2012, 12:24 pm

Change this line:

```
Code int[] tolur = new int[texti.Length];to
```

```
Code int[] tolur = new int[tolur.Length];
```

svavart - February 3, 2012, 12:32 pm

(Feb 3, 2012 01:24 PM)AntiHelix Wrote: [\[CITE\]](#) Change this line:

```
Code int[] tolur = new int[texti.Length];to
```

```
Code int[] tolur = new int[tolur.Length];Just got an error "the use of an unassigned variable"
```

By the way that line I use to be sure the array has enough "compartments" for the numbers in the textbox1 which are separated by a ",".

Everything works, even the .max number and the .min numbers are correct it's just that the subtraction doesn't seem to work. =/

```
//full code with irrelevant stuff
```

```
Code using System;
```

```
using System.Collections.Generic;
```

```
using System.ComponentModel;
```

```
using System.Data;
```

```
using System.Drawing;
```

```
using System.Linq;
```

```
using System.Text;
```

```
using System.Windows.Forms;
```

```
namespace Verk_3
```

```

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

    private void Form1_KeyDown(object sender, KeyEventArgs e)
    {
        if (e.KeyCode == Keys.Enter)
        {
            if (textBox1.Text != null)
            {
                string texti = textBox1.Text;
                string[] strengur = texti.Split(',');
                int[] tolur = new int[texti.Length];
                int mismunur = 0 ;
                //var hætta
                for (int i = 0; i < strengur.Length; i++)
                {
                    tolur[i] = Convert.ToInt32(strengur[i]);
                }
                //test
                MessageBox.Show(tolur.Max()+"", "+tolur.Min());
                //test
                mismunur = tolur.Max()-tolur.Min();
                MessageBox.Show("Lesnar voru inn tölurnar:\n"+texti+"\n En mismunurinn á hæstu og lægstu
                tölunni er:"+mismunur);

            }
        }
    }
}

```

Gh0st-Zer0 - February 3, 2012, 4:12 pm

This is the working code for UInt64 numbers which mean that you can insert From 0 to 18,446,744,073,709,551,615 which equals $2^{64} - 1$ numbers.

I have also commented the code so to be understandable.

This is Console based algorithm just change it and modify it into your app!

Code //First of all we need UInt64 to calculate really long numbers.

```

string Input = "18446744073709551615,100";
/*We split the numbers in the text by ',' (comma)
and put them in an array named Numbers*/
string[] Numbers = Input.Split(',');

```

//This will help us to convert the string into number.

```

UInt64[] ConvertedNum = new UInt64[Numbers.Length];

```

```

/*We convert the string into an integer and put it

```

```

in the tolur array.*/
for (int i = 0; i < Numbers.Length; i++)
{
    ConvertedNum[i] = Convert.ToUInt64(Numbers[i]);
}

//We Find the Difference between the max and the min Number.
UInt64 Difference = ConvertedNum.Max() - ConvertedNum.Min();
Console.WriteLine("Were read into the numbers:\n" + Input +
"\nBut the difference between the highest and lowest number is:\n" + Difference);

Console.ReadKey();

```

Execution Result:
Code Were read into the numbers:
18446744073709551615,100
But the difference between the highest and lowest number is:
18446744073609551615

E25EB8582FF05BF - February 3, 2012, 5:46 pm

@Ghost. Should we read your sound and well in code commented answer as a sign you're irritated by the lack of self involvement of those lazy "students" expecting us to do their homework ?

svavart - February 3, 2012, 5:54 pm

(Feb 3, 2012 05:12 PM)Gh0st-Zer0 Wrote: [CITE](#) This is the working code for UInt64 numbers which mean that you can insert From 0 to 18,446,744,073,709,551,615 which equals $2^{64} - 1$ numbers.

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UInt64[] ConvertedNum = new UInt64[Numbers.Length];

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/*We convert the string into an integer and put it

in the tolur array.*/

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for (int i = 0; i < Numbers.Length; i++)
{
    ConvertedNum[i] = Convert.ToUInt64(Numbers[i]);
}

```

//We Find the Difference between the max and the min Number.

```

UInt64 Difference = ConvertedNum.Max() - ConvertedNum.Min();

```

```

Console.WriteLine("Were read into the numbers:\n" + Input +
"\nBut the difference between the highest and lowest number is:\n" + Difference);

```

```

Console.ReadKey();

```

Execution Result:

Code Were read into the numbers:

18446744073709551615,100

But the difference between the highest and lowest number is:

18446744073609551615The teacher didn't go in dept about what the usual "int" was capable to do so thanks ;), also thanks for taking time to comment the code. Too many that decide not to.

tolur = numbers

texti = text

strengur = string

Forgot to include.

Gh0st-Zer0 - February 3, 2012, 5:59 pm

(Feb 3, 2012 06:46 PM)E25EB8582FF05BF Wrote: [\[CITE\]](#) @Ghost. Should we read your sound and well in code commented answer as a sign you're irritated by the lack of self involvement of those lazy "students" expecting us to do their homework ?Well he did the half job so i just help a little to complete! Of course i'm not the guy that support lazy Students! I'm a Univercity student and i hate guys that C/P other work and present them us theirs!

Silicon - February 4, 2012, 2:43 am

Sorry for my last post, I was tired and I changed it to the wrong variable.

Change this line:

Code int[] tolur = new int[texti.Length];to:

Code int[] tolur = new int[strengur.Length];

If you set it to texti.Length, you are setting the array size to the amount of characters in the text box. What if you had a 10-digit-long number, but only that number? Then you'd have 10 spaces in the array, but only working with 1 number. Because strengur is the text split up via ,, you are setting it to the number of items separated by ,s in the text.

svavart - February 4, 2012, 3:56 am

(Feb 3, 2012 06:59 PM)Gh0st-Zer0 Wrote: [\[CITE\]](#) Well he did the half job so i just help a little to complete! Of course i'm not the guy that support lazy Students! I'm a Univercity student and i hate guys that C/P other work and present them us theirs!

I'm at the early stage of learning the programming basics with c# and there are already plenty of students to lazy to do their own work. Unfortunately for them there is a program that cross-checks all the students projects when you've made it to advanced programming.

(Feb 4, 2012 03:43 AM)AntiHelix Wrote: [\[CITE\]](#) If you set it to texti.Length, you are setting the array size to the amount of characters in the text box. What if you had a 10-digit-long number, but only that number? Then you'd have 10 spaces in the array, but only working with 1 number. Because strengur is the text split up via ,, you are setting it to the number of items separated by ,s in the text. Thanks, I understand what you mean now, feel a bit stupid for not noticing that. ;)

Gh0st-Zer0 - February 4, 2012, 9:04 am

(Feb 4, 2012 04:56 AM)svavart Wrote: [\[CITE\]](#) I'm at the early stage of learning the programming basics with c# and there are already plenty of students to lazy to do their own work. Unfortunately for them there is a program that cross-checks all the students projects when you've made it to advanced programming.Well if it's like that. . .

Good Then! ?

