

Forum:[Hack Forums](#)

Thread: [Basic Fundamentals of C# and Learning C#](#)

Pulser - October 22, 2010, 2:09 pm

C#

The Basics:

- C# is a multi-paradigm programming language used all over the world.
- Visual C# is the most commonly used implementation of C#.
- "C#" was created by Microsoft and was approved as a standard by Ecma.
- The leader of the C# development team is Anders Hejlsberg. Currently, the latest version of C# is "C# 4.0".

Sources:

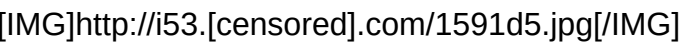
Code [http://en.wikipedia.org/wiki/C_Sharp_\(programming_language\)](http://en.wikipedia.org/wiki/C_Sharp_(programming_language))

http://windowsdevcenter.com/pub/a/oreilly/windows/news/hejlsberg_0800.html

<http://www.MrPredictablesBrain.com>

The Visual C# IDE

If you have ever programmed in Visual Basic the C# IDE will look extremely familiar to you. Thats because, for the most part, it is.

Spoiler [\(Click to View\)](#)[IMG]

Spoiler [\(Click to View\)](#)[IMG]

Everything you need to begin coding in C# comes packed together with a little ribbon on it. You can compile your programs, create your programs, and debug your programs, all from the IDE.

Download:

You can download Visual Studio 2010 which includes Visual C#:

<http://www.microsoft.com/express/windows/>

You can also download Visual C# 2010 for free:

<http://www.microsoft.com/express/Downloads/#2010-Visual-CS>

You can purchase Visual Studio Ultimate:

<http://www.microsoft.com/visualstudio/en-us/products/2010-editions/ultimate>

C# vs Visual Basic

There is a lot of controversy over which is a better language. To put it plain and simple, the answer is, neither.

Visual Basic and C# both have extremely different syntax. I personally feel C# has a more organized a professional syntax compared to Visual Basic, but I also feel Visual Basic has a neater, easier to comprehend syntax. The syntax difference is not an argument momentous proportion.

Syntax differences:

If Statements:

```
C#
Code {
    if (textBox1.Text == "Hackforums")
    {
        MessageBox.Show("Syntax Differences Example!");
    }
    else
    {
        MessageBox.Show("Do You See Them?");
    }
}
```

Visual Basic:

```
Code If TextBox1.Text = "Hackforums" Then
    MessageBox.Show("Syntax Differences")
Else
    MessageBox.Show("Do You See Them?")
End If
```

So, whether you prefer C# syntax or VB syntax, it is mainly personal preference.

From a comparison article:

Code Features of C# not found in Visual Basic .NET

- Allows blocks of unsafe code (like C++/CLI) via the unsafe keyword.
- Partial Interfaces
- Iterators and the yield keyword
- Multi-line comments (note that the Visual Studio IDE supports multi-line commenting for Visual Basic .NET)

-Static classes (Classes which cannot contain any non-static members, although VB's Modules are essentially sealed static classes with additional semantics)

-Can use checked and unchecked contexts for fine-grained control of overflow/underflow checking

When choosing between C# and Visual Basic, mainly, it is always personal preference. However, while coding in C#, you will notice it is very similar to Java. So, if you plan on working in java, it may help to learn C#.

Learning C#:

There are thousands upon thousands of ways to learn C# out there. You can read e-book, buy books, read articles, watch videos, anything!

E-Books

[Accelerated C#](#)
[Sams teach yourself C#](#)

Websites

[HomeAndLearn](#)
[MSDN](#)
[cplus](#)
[C# Corner](#)

My Tutorials:

C# is by far my favorite programming language, so I have taken it upon myself to do my best to help my fellow forum users. If anyone has programming questions or needs programming help, DO NOT hesitate to PM me!

Beginner Tutorials:

[Concatenation In C#](#)
[Variables In C#](#)
[Events In C#](#)
[Loops In C#](#)
[Comments In C#](#)

Intermediate Tutorials:

[Parsing In C#](#)
[Math In C#](#)
[C# OFD](#)
[Try And Catch In C#](#)
[Switch Statements In C#](#)
[If Statements In C#](#)
[Arrays In C#](#)
[Classes In C#](#)
[SubStrings In C#](#)
[Hashtables In C#](#)
[BackGround Workers In C#](#)

Advanced Tutorials:

Please Stay Tuned

Conclusion:

So, whether you prefer C#, C++, Java, or Visual Basic, it doesn't really matter. We all have our personal preferences and we will all code great things together in our own language of choice!

Please! If you need any help, contact me! I am online quite often and I will always be willing to try to help you.

Until Next Time,

-Predictable

BaussHacker - October 22, 2010, 2:23 pm

I like the VB/C# thing.

As I always said.

VB is the lazy way for a c# coder.

If u can c#, then VB would be easy to learn.

If u can vb, then c# would be much easier to learn, because is only some small changes.

But good work of finding the links eg.

But it seems like ur just post hunting or reputation hunting by spamming many topics instead in one topic.

Pulser - October 22, 2010, 2:24 pm

(Oct 22, 2010 02:23 PM)_CookieCoder Wrote: [\[CITE\]](#) I like the VB/C# thing.

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But good work of finding the links eg.

But it seems like ur just post hunting or reputation hunting by spamming many topics instead in one topic.

Thanks a lot for the first comment, glad you enjoyed it.

Pulser - October 25, 2010, 1:51 pm

Quick B ump in case someone is in need of a good read.

Charny - October 25, 2010, 1:59 pm

Thanks for this useful thread :).

I <3 C#

ident - October 25, 2010, 2:00 pm

vb is lazy? Interesting statement..

Pulser - October 25, 2010, 7:02 pm

(Oct 25, 2010 01:59 PM)Charny Wrote: [\[CITE\]](#) Thanks for this useful thread :).

I <3 C#

Thanks a lot for the comment Charny, glad to see an excellent coder such as yourself checked out my thread :D.

Pulser - October 31, 2010, 7:19 pm

Quick B*ump, I'm sure someone can find this useful.

Pulser - November 7, 2010, 9:22 am

Quick B*ump, since Ive been seeing quite a few C# threads lately.

tflo - November 7, 2010, 9:33 am

Tons of people asking for C# help, some people are PM'ing me for what ever reason now. I just redirect them here lol.

Pulser - November 7, 2010, 9:36 am

(Nov 7, 2010 10:33 AM)Vanquish Wrote: [\[CITE\]](#) Tons of people asking for C# help, some people are PM'ing me for what ever reason now. I just redirect them here lol.

Thanks a lot for the good comment. Glad to see people are coming around to C#.

RoXaN - November 12, 2010, 3:08 pm

great job man i like your work really u explane eveything here i like your work

Pulser - November 12, 2010, 4:13 pm

(Nov 12, 2010 04:08 PM)RoXaN Wrote: [\[CITE\]](#) great job man i like your work really u explane eveything here i like your work
Thanks man, I hope its helpful!

Allergen - July 2, 2011, 4:53 am

Good tut! Do you know any good open source programs written in C#? Wanna learn with it.

hgdfhsdgdgdfh - July 2, 2011, 4:57 am

Very nice tutorial. It nice to see there are people using C# too. If I post something C# related almost nobody usually looks it or uses because seems that almost all people here use VB.NET.

eliteh4xer - July 2, 2011, 6:39 am

..Good one dude :) i am also c# coder :)

Unlitmoon - July 3, 2011, 11:53 am

Very helpful. I have been considering jumping ship from trying to learn C++ as my first language over or C# or VB and this helped clarify what the difference between them actually is. I'll definitely be checking out your tutorials soon. Are IF/Switch/Arrays/Math really considered intermediate level concepts?

Thanks!

Pulser - July 3, 2011, 1:20 pm

(Jul 3, 2011 11:53 AM)Jeordy Wrote: [\[CITE\]](#) Very helpful. I have been considering jumping ship from trying to learn C++ as my first language over or C# or VB and this helped clarify what the difference between them actually is. I'll definitely be checking out your tutorials soon. Are IF/Switch/Arrays/Math really considered intermediate level concepts?

Thanks!

Not really intermediate concepts, but I felt it would be better to format everything in different groups.

?Demon - July 3, 2011, 10:09 pm

I'm a VB.Net coder, but I'll look into this.

((void (*)())NULL)() - July 3, 2011, 10:49 pm

Nice tutorial. I recommend using <http://imageshack.us>, or <http://min.us>, for your images, next time.

Pulser - July 3, 2011, 10:58 pm

(Jul 3, 2011 10:49 PM)((void (*)())NULL)() Wrote: [\[CITE\]](#) Nice tutorial. I recommend using <http://imageshack.us>, or <http://min.us>, for your images, next time.

This thread is nearly a year old. The images just got removed.

((void (*)())NULL)() - July 3, 2011, 11:15 pm

(Jul 3, 2011 10:58 PM)Mr. Predictable Wrote: [\[CITE\]](#) This thread is nearly a year old. The images just got removed.

Oh, wow. I thought you just posted this lul.