

IdeLabs For Chrome



Techfest 2012
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Internet is home to plethora
of Codes!

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Code needs an interpreter or compiler to Run !

Your code can be in :

- C/C++

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- Java

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How We Learn To Code?

How ?

How We Learn To Code?


How ?

- Learn from A Book
- Lectures
- Friends
- *Internet !*

The Internet Way of Learning

```
// condition is false  
}
```

Let's look at a simple program for you to try out on your own.

```
#include <iostream>  
  
using namespace std;  
  
int main()  // Most important part of the program!  
{  
    int age; // Need a variable...  
  
    cout<<"Please input your age: "; // Asks for age  
    cin>> age; // The input is put in age  
    cin.ignore(); // Throw away enter  
    if ( age < 100 ) { // If the age is less than 100  
        cout<<"You are pretty young!\n"; // Just to show you it works...  
    }  
    else if ( age == 100 ) { // I use else just to show an example  
        cout<<"You are old\n"; // Just to show you it works...  
    }  
    else {  
        cout<<"You are really old\n"; // Executed if no other statement is  
    }  
    cin.get();  
}
```

More interesting conditions using boolean operators

Boolean operators allow you to create more complex conditional statements. For example, if you wish to check if a variable is both greater than five and less than ten, you could use the boolean AND to ensure both `var > 5` and `var < 10` are true. In the following discussion of boolean operators, I will capitalize the boolean operators in order to distinguish them from normal English. The actual C++ operators of equivalent function will be described further into the tutorial - the C++ symbols are not: OR, AND, NOT, although they are of equivalent function.

The Internet Way of Learning

The Example looks good
How do i try it ?

Select



Copy



Come back to your desktop



Fire up your interpreter/compiler



Compile!



Run:)

Faster ways ?

6 steps before you see your
code running !
We can try doing better!

IdeLabs For Chrome

Let us move to the *Online* Compilers and Interpreters!

- You might not have the interpreter/compiler installed locally
- Probably faster ?

Ideone.com : An Online Interpreter

ideone.com

Your great ideas will be born here

2,372 3.5k 9K

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news samples help

choose language

Ada
Assembler
Assembler
AWK (gawk)
AWK (mawk)
Bash
bc
Brain**k
C
C#
C++
C++0x
C99 strict
CLIPS
C#

enter your source code or insert [template](#) or [sample](#)

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1

click here to enter input (stdin) or additional note

syntax highlight: ☒

☒ run code
☐ private **1**

☒ 5s ☐ 15s **1**

submit

What is Ideone?
Ideone is something more than a pastebin; it's an online compiler and debugging tool which allows to compile and run code online in more than 40 programming languages.

How to use Ideone?
Choose a programming language, enter your source code and input data into text boxes. Then check or uncheck *run code* (whether to execute your program) and *private* (whether not to list your code in the recent codes page) checkboxes, click the submit button and watch your snippet being executed.

Having problems?
Check the [compiler](#) to see how to write a perfectly working code. To find out more, see the [help](#) section of the FAQ page.

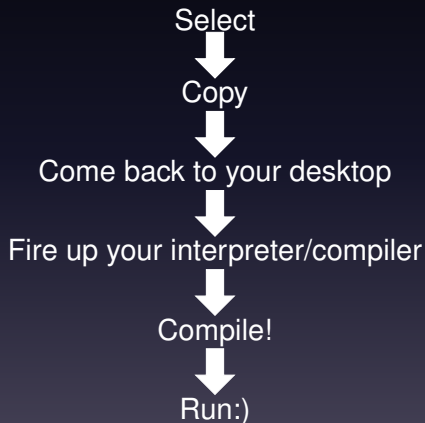
IdeLabs For Chrome

So What is it ?

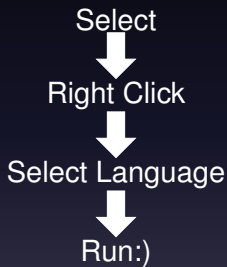
- A *Simple* Chrome Extension
- Run your code from your Browser. Directly !

'Traditional' Way

Lets recap the Steps :



IdeLabs for Chrome Steps



How it Works ?

Utilises *contextMenu* of Chrome to add an option to the right click menu



A background.html page listens for requests



Receive *selectedText* request and fireup a fancybox



Fire a *POST* request to the ideone.com API



Get *Response* from the Server and voila!

S

The Cherry!

We have a Scilab
interpreter too !

Scilab is a software used for numerical and
scientific computations!

Uses the API of our own Project : Scilab on
Cloud <http://scilab-test.garudaindia.in/cloud>

Powered by



And



The Logo!



Questions?