

C++ Programming

Overall tools

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Teaching, Training and Coaching since more than a decade!

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Compiling your code

- Code in a **notepad** file, save, compile and run from command line
 - Later we will learn how to do so
- Online Compilers: E.g. ideone.com
 - Create, Edit, Compile and Run, Save codes in your account.
 - Direct & easy but not so convenient for some guys
- Using IDE (Integrated development environment)
 - Tools integrate all what you need
 - Many ones: [CodeBlocks & Eclipse](#) (Next **2 videos**)
 - CodeBlocks is simpler to use and set-up
 - Eclipse: better support and more features, but not easy to install sometimes
 - Others: Visual Studio Code, CodeLite, Sublime Text


Use ideone.com





- Go to [ideone](https://ideone.com) (optionally create an account)
- Select Language: C++14
- Write paste your code (mark syntax highlight)
 - If there is input, click stdin button
- Click Run (or ideone it)
- See the program running
 - Get also future code link: e.g. <https://ideone.com/C4WPKO>

Use ideone.com

</> enter your source code or insert [template](#) or [sample](#) [shortcuts](#)

```
1  #include<iostream>
2  using namespace std;
3
4
5
6  int main()
7  {
8      cout<<"My First Program. Helllllllo."<<endl;
9
10     return 0;
11 }
12
```

 enter input (stdin)

C++14 ▲  stdin    [more options](#) [Run](#)

Use ideone.com

[edit](#) [fork](#) [download](#)

[copy](#)

```
1. #include<iostream>
2. using namespace std;
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6. int main()
7. {
8.     cout<<"My First Program. Helllllllo."<<endl;
9.
10.    return 0;
11. }
12.
```

Success #stdin #stdout 0s 4352KB

[comments \(0\)](#)

 stdin

[copy](#)

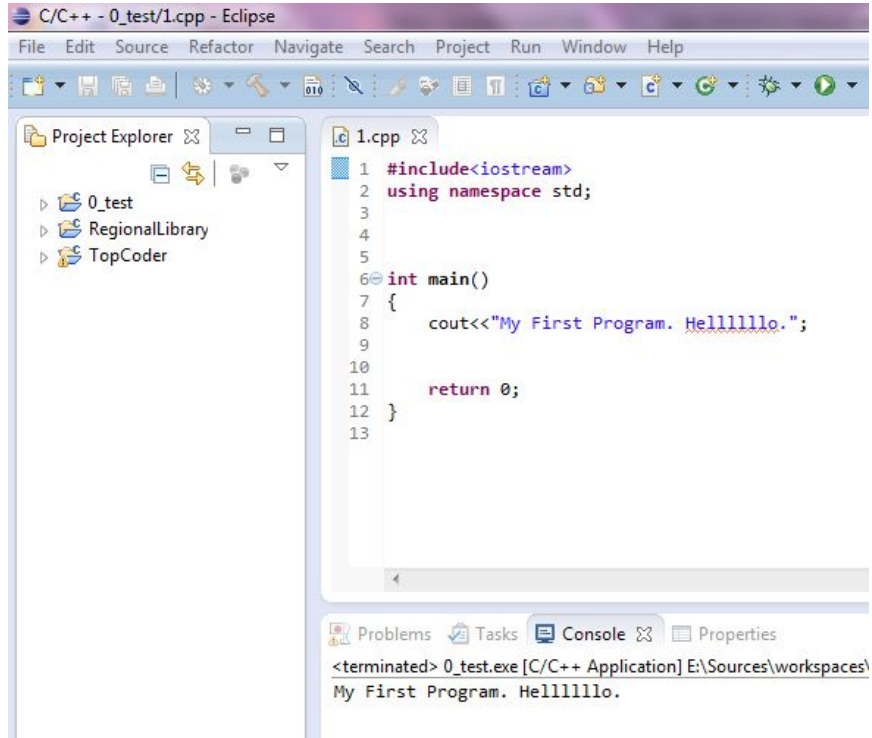
Standard input is empty

 stdout

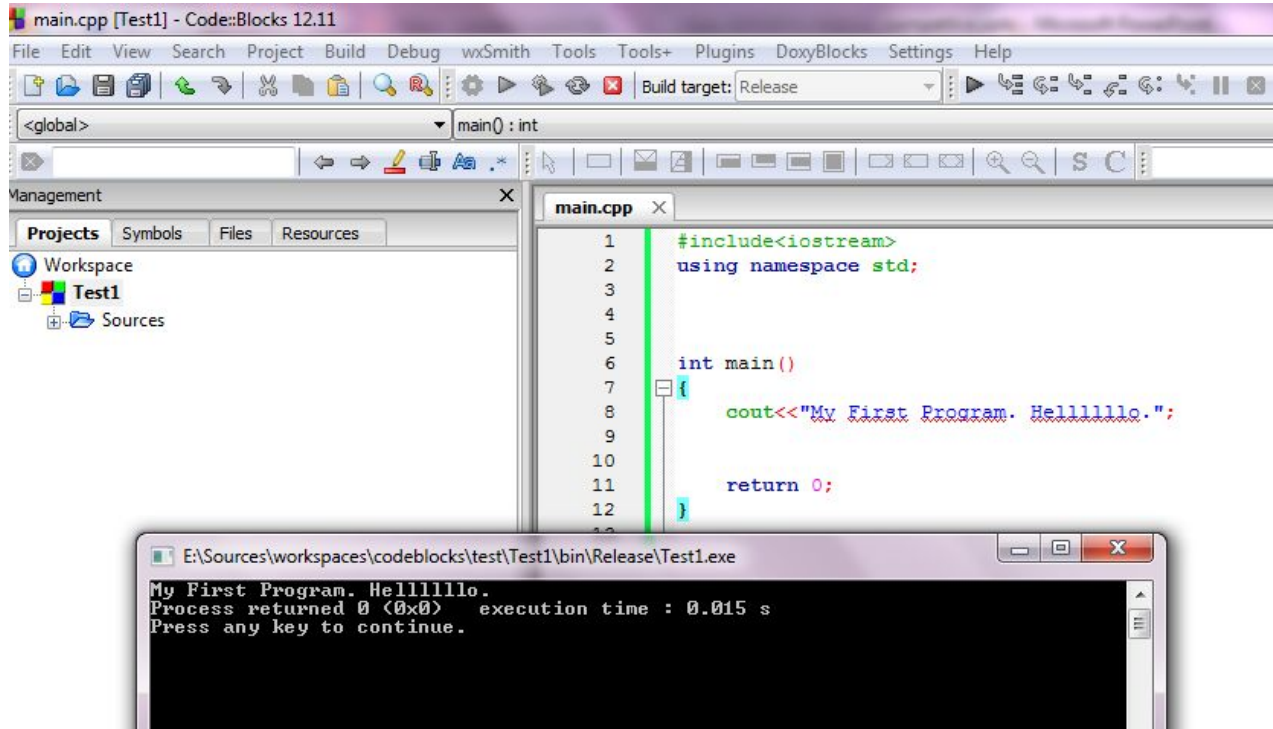
[copy](#)

My First Program. Helllllllo.

Eclipse IDE



CodeBlocks IDE



Installing IDEs

- There are a lot of free materials for most of IDEs & OS
 - Installing Codeblocks: [Windows](#), [Mac](#), [Ubuntu](#), [Fedora](#)
 - Installing C++ CDT Eclipse: [Windows](#) / [Windows](#), [Mac](#), [Ubuntu](#), [Fedora](#)
 - Just Google your target IDE and OS
- Installations and running
 - Installations on Linux & Mac is easy most of the time
 - In windows: it might be problematic for some IDEs
- In next videos
 - We will show installations for some IDEs: E.g. Codeblocks and Eclipse

“Acquire knowledge and impart it to the people.”

“Seek knowledge from the Cradle to the Grave.”