

C to C++

Use plain text editor

Atom

Gcc -Wall nameoffile.c

./a.out

Write in plain text editor

Compile code from command line

NO COMPILATION, NO GRADE

#include: including a collection of functions
(libraries) <stdio.h>

Comments: add useful comments in code

Multiline /* */

Single line //

main() or intmain(void: every program starts in main

All statements ends with a semicolon

Variables: int a, b (declarations):

For variables that will eventually be a, b

printf():

Double is a longer float

scanf(): asking the user

&a, &b: store something in said variable

Integer divided by integer is also an integer

Open new terminal window at the folder with program

```
Gcc -Wall Code.c  
(enter)  
./a.out
```

C++

Pretty much the same

```
#include<iostream>  
  
printf-----std::cout  
  
Scanf-----std::cin  
  
Std::out << "please input a";  
Std::in >> a;
```

Fix the first error then recompile then fix the next error

Eliminate all warnings

```
Gcc -Wall nameoffilee.c++  
  
[return]  
  
./a.out
```

Incremental development to avoid errors

Write a small amount at a time

To see if its doing what you want it to do

(to rename executable)-o newnameforexecutable.cpp.out

