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What is C++?

→ C++ is greater @ general purpose programming language. It's used to create compiler programmer anything from. art application music player is even used for games.

Hello world.

A C++ program is a cond^n of common or string

```
# include <iostream>
using namespace std;
int main()
{
    cout << " Hello world ':
    return 0
}
```

& Getting the tools & you can run save & share your C++ cout on playground, without installing any additional software.

① IDE

② Compiler

printing a text:

you can add multiple insertion operation after

```
cout << " this " << " is " <<
     " awesome";
```

Comments:

A comment designing with two & bytes (@ is called comment. The flashes tell the compiler to find everything that followed, until we end of the line.

```
# include < iostream>
using namespace std;
int main()
{
    cout "<<" Hello world ";
    return 0;
}

cout "<<" H;
```

Variables :

Integer, a built in type, represent a whole no
value define integer using the keyboard int, int my variable
yo;

Working with variables :

specifiying the data type is required help when
the variable is declared. After that variable be used without
returning to the data type.

```
int a;
a = 10;
```

Basic arithmetic operation b.

Addition	+	x + y
Subtraction	-	x - y
multiplication	*	x * y
division	/	x / y
modulus	%.	x % y

* Assigned & increment operations :-

    The simple assignment operator (=) assign the right side to the left side.

* Conditionals & loops.

    • The if statement

    The if statement is used to excute some code if a condition is true.

```
if (condition) {
    statements
}
```

* The use statement

    An if statement can be followed by an optional else statement which excute when the condition is false.

```
if (condition) {
    if
    else {
    }
}
```