# Cheatography

### C++ References Sheet Cheat Sheet by vittochan (vittochan) via cheatography.com/26692/cs/36424/

Pointer definition

lication, division

: i++)

ple: i--)

i=i+2;)

Less or Equal than

Greater or Equal than

OR

AND

NOT

ptr set to address of var1

set var2 to value of var1

Addition, subtraction, multip-

Modulus (rest of division)

Add 1 to variable (example

Subtract 1 to variable (exam

Add/subtract/multiply/divide

a value from the variable (e xample: i+=2; is equal to

Pointers int \*ptr;

ptr = &var1; var2 = \*ptr;

+, -, \*, /

+=. -=. \*=. /=

**Relational Operators** 

Less than

Greater than

Equal than

Logical Operators

Not Equal than

%

++

<

<=

>

>=

==

!=

II

Į.

&&

Arithmetic Operators

Include Headers	
#include <headernam< th=""><th>e&gt;</th></headernam<>	e>
#include <iostream></iostream>	Several standard stream objects
#include <string></string>	std::basic_string class template
<b>#include</b> $$	Behaves as if each name from <cmath> is placed in global namespace, except for names of mathematical special functions</cmath>
<b>#include</b> <fstream></fstream>	std::basic_fstream, std::basic_ifstream, std::basic_ofstream class templates and several typedefs
#include <cctype></cctype>	Behaves as if each name from <cctype> is placed in global namespace</cctype>

#### Namespace

### using namespace std;

Data Ty	ypes
---------	------

int	integer type (-32768 to 32767)
char	single character type
float	Floating-point types (single precision)
double	Floating-point types (double precision)
bool	true or false
void	type with an empty set of values

#### Comments

//Single line /\*Multiple lines\*/



By vittochan (vittochan) cheatography.com/vittochan/

Published 8th January, 2023.
Last updated 9th January, 2023.
Page 1 of 2.

Sponsored by Readable.com
Measure your website readability!
https://readable.com

	121	-

15 / 11/1 N 5
if (condition) {
\\Do something
} else if ( <i>condition</i> ) {
\\Do something
} else {
\\Do something
}
condition must be a condition that return a
harden velve (min en feler

boolean value *true* or *false* **else/else if** blocks are optional

Switch
switch (variable) {
case constant1:
\\Do something
break;
case constant2:
\\Do something
break;
default:
\\Do something
break;
}
default is optional

### While Loop

while (condition) {
 \\Do something
}
Loop as long as the condition is true, wh

Loop as long as the *condition* is *true*, when it becomes *false* it exits

## Cheatography

### C++ References Sheet Cheat Sheet by vittochan (vittochan) via cheatography.com/26692/cs/36424/

### Do-While Loop

### **do** {

\\Do something

} while (condition);

Loop as long as the *condition* is *true*, when it becomes *false* it exits

### For Loop

for (initialize; condition; update) {
 \\Do something
}
example:
for (int i=0; i<10; i++) {
 \\Do something</pre>

### }

Loop as long as the *condition* is *true*, when it becomes *false* it exits



## By vittochan (vittochan)

cheatography.com/vittochan/

Published 8th January, 2023. Last updated 9th January, 2023. Page 2 of 2. Sponsored by Readable.com Measure your website readability! https://readable.com