

Lecture 6: Header file and operator

- There are two types of header files
 - System header file: it comes with compiler
e.g. `#include <iostream>`.
 - User defined header file: ~~it comes with~~ it is written by programmer himself
e.g. `#include "my.h"`
★ This will throw an error if it is not present in current directory.
- ★ check all type of system header files at cppreference.com.

- Operator in C++:

Arithmetic operator
int a = 4, b = 5;

`a + b`
`a - b`
`a * b`
`a / b`
`a ++`
`a --`
`++ a`
`-- a`

Arithmetic operator

14:00

- Assignment operator:

- use to assign value to variable

e.g `int a = 5;`
`char c = 'd'`

- Comparison operator:

e.g $(a == b)$, $(a != b)$, $(a > b)$, $(a < b)$
 $(a > b)$, $(a < b)$

- Logical operator:

$\&\&$ \Rightarrow And operator ; both should be true

$\|\$ \Rightarrow OR operator ; Any one should be true

e.g $((a == b) \&\& (a < b))$
 $((a == b) \|\ (a < b))$

$!$ \Rightarrow logical not ; gives opposite of original value

e.g $(!(a == b))$