

Assertion in c++

`#include <cassert>` // Wrapper of `assert.h` from C.

`assert(5==4);` // This is a macro, but does not have name in all caps.

⇒ These are used to verify assumptions in debug mode.

→ This assumption will only be confirmed in runtime.

★ Compile time assertion

```
static_assert(sizeof(float) == 4, "can't serialize floats!");
```

→ This is a function not a macro.

→ Assertion happens at compile time.

→ No header is needed as this is built into C++ compiler.

→ Message is optional.