

【C++】第二天

▼ Class	C++
📅 Date	@November 15, 2021
🔗 Material	
# Series Number	
☰ Summary	

【Ch1】 Getting Started

1.3 Comments

Like C, there are two ways of commenting:

- **Single-line Comment:** //
- **Paired Comment:** /* */

Comment Pairs Do Not Nest

A comment that begins with /* ends with the next */. As a result, **one comment pair cannot appear inside another.**

The following program will cause an error

```
/*
 * comment pairs /* */ cannot nest.
 * ''cannot nest'' is considered source code,
 * as is the rest of the program
 */
int main()
{
    return 0;
}
```

Compilation

Part of the compiler's job is to **look for errors** in the program text.

- **Syntax Errors**: The programmer has made a **grammatical error** in the C++ language.
- **Type Errors**: Each item of data in C++ has an **associated type**. An example of a type error is passing a string literal to a function that expects an int argument.
- **Declaration Errors**: Every name used in a C++ program must be declared before it is used. Failure to declare a name usually results in an error message.

1.5 Classes

A class defines a type along with a collection of operations that are related to that type.