Cpp Convention – Class

# 1

Each class has its own dedicated header file and source code file

# 2

Header file comment

image

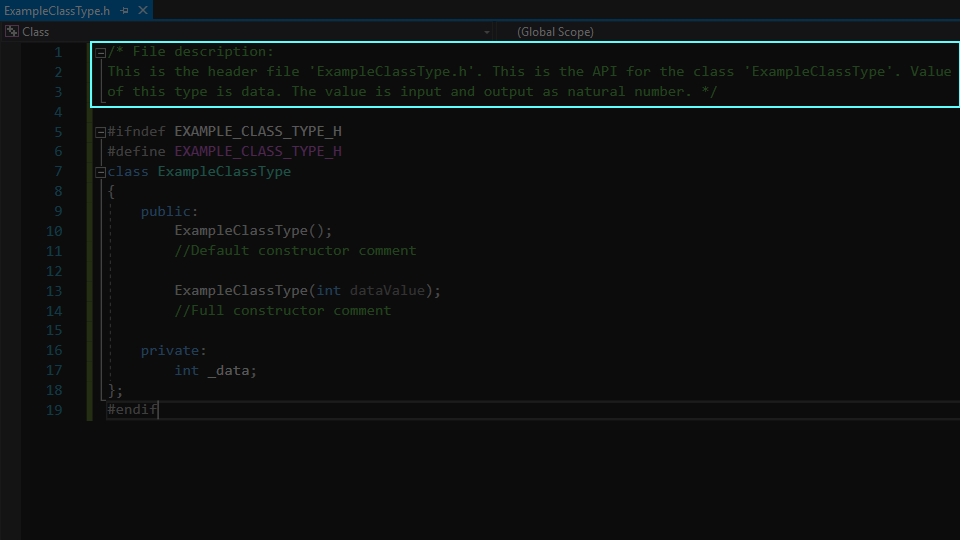


image end

# 3

Source code file comment

image

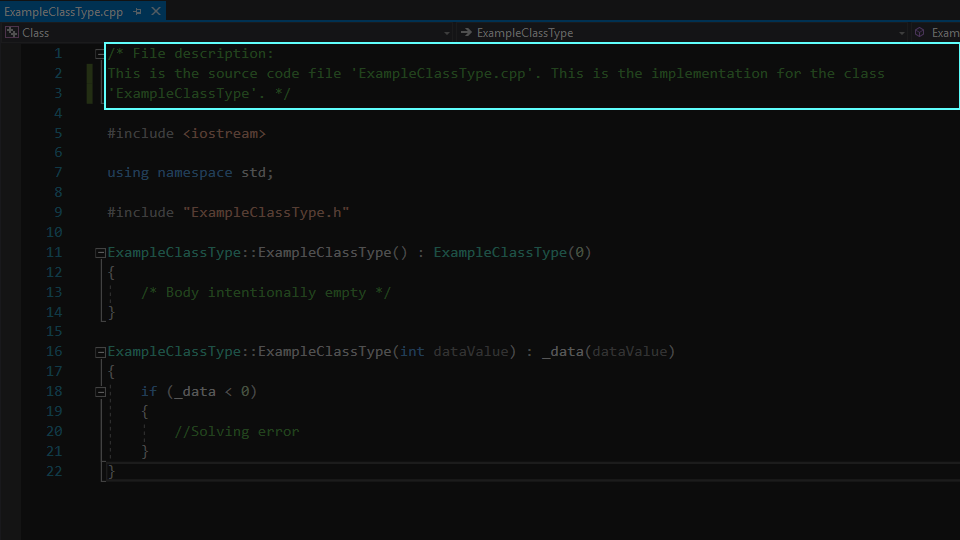


image end

# 4

A source code file must obey the following order to include the header file of a class

image

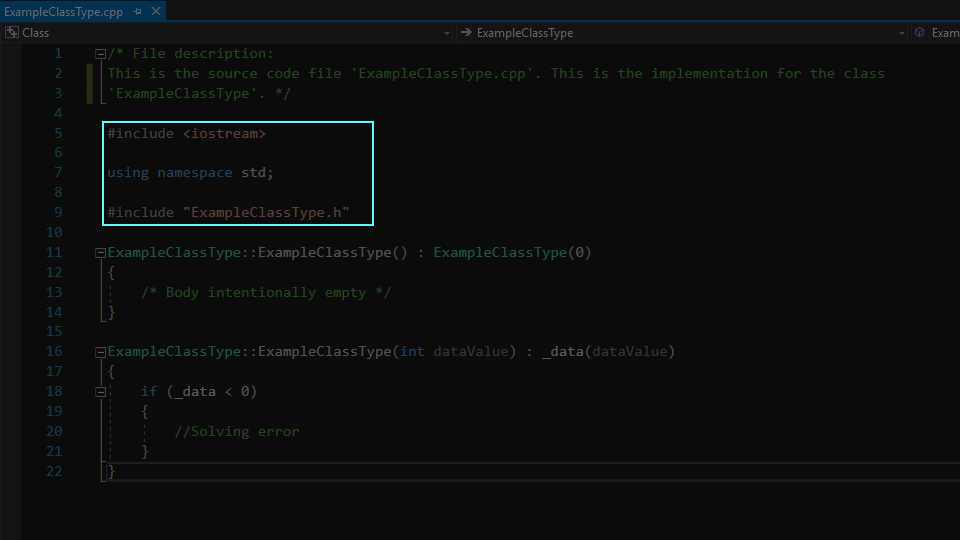


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# 5

Class definition

Class definition defense – Avoiding multiple definitions of a class

image

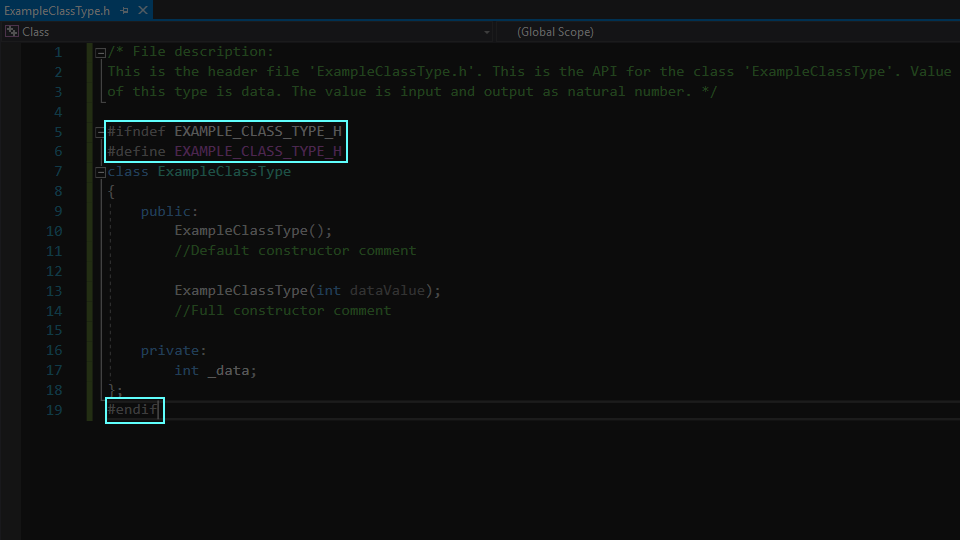


image end

Public first, Private second

Always contains default constructor and full constructor

Class member variables must be private

Class member variables name starts with the underscore symbol

# 6

Constructor definition

Use both initialization section and definition’s body (for checking errors)

image

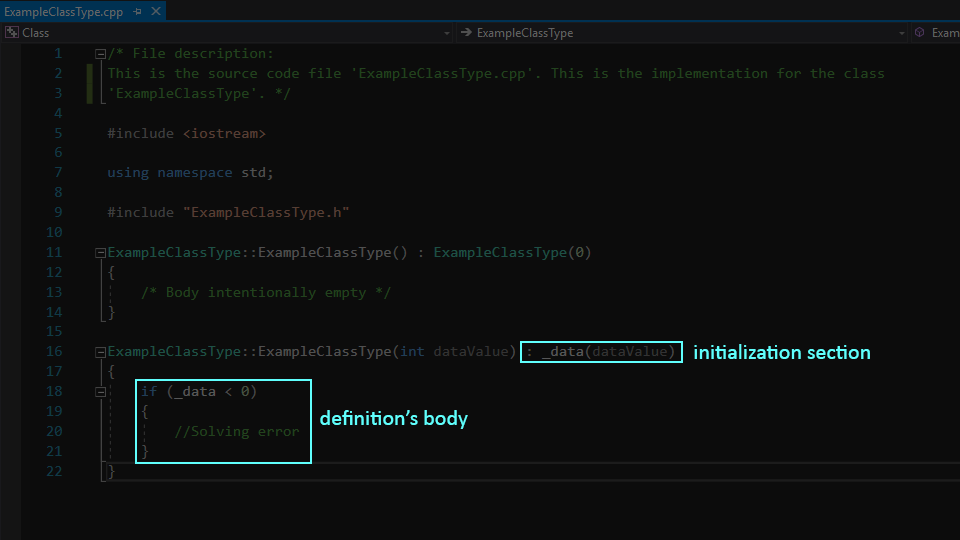


image end

Always use constructor delegation

image

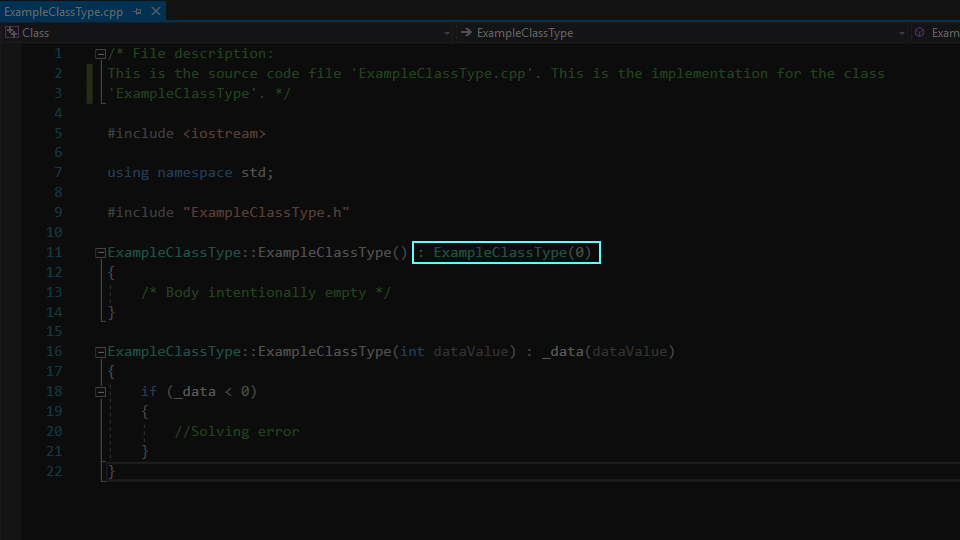


image end

# 7

ACCESSOR FUNCTION DECLARATION AND DEFINITION

Use modifier

If return member variables, return as a constant return-by-reference value

# 8

Class static variables must be initialized in the source code file of the class

# 9

Class friend functions must be declared and defined in the header file and the source code file of the class, respectively

# 10

Parameter name of constructor:

Parameter name of Set member function: