

The Implementation File

Place your **definitions** in an **implementation file**. The **implementation file** has the same root or **base name** as the header file, but a different extension. You'll use **.cpp** in this class but other conventions include **.cxx**, **.cc**, and **.C** (a capital 'c').

1. Create an **implementation file** using the extension **.cpp**.
2. Add a file comment to the top of the file.
3. **#include** the interface file for the library you are implementing.
4. If you use other libraries, such as **string**, you should include them as well. This example does not.
5. Add a **using directive** if you are using any library types. This library does not.
6. **Copy the prototypes** from each of the functions in the header file into the implementation file. You don't need to bring across the documentation. Make sure, also, that you **don't copy the header guards**.
7. **Stub out** each of the functions.

This is **purely mechanical**. You want to practice it until it becomes second nature. You should **memorize** this part, so you don't have to expend any brain cells to complete it.



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