

Task 4. In C, what is the difference between `<...>` and `"..."` for including files? Answer in a few sentences.

`#include <stdio.h>`

vs.

`#include "output.h"`

In practice, the difference is in the location where the preprocessor searches for the included file.

For `#include <stdio.h>` the preprocessor searches in an implementation dependent manner, normally in search directories pre-designated by the compiler/IDE. This method is normally used to include standard library header files.

For `#include "output.h"` the preprocessor searches first in the same directory as the file containing the directive, and then follows the search path used for the `#include <filename>` form. This method is normally used to include programmer-defined header files.