1 Hello, world!

The following program `hello.c` simply prints "Hello, world!":

❶
```
#include <stdio.h>                              1
                                               2
/* This is a comment. */                       3
int main() {                                   4
    printf("Hello, world!\n");                 5
    return 0;                                  6
}                                              7
```
❷
❸
❹

We first include the `stdio.h` header file ❶. We then declare the `main` function ❷. We then print "Hello, world!" to standard output (a.k.a., *STDOUT*) ❸. Finally, we return value 0 to let the caller of this program know that we exited safely without any errors ❹.