

1. The following program in C performs the complex task of saying “hello”

2. This is exactly what it will say:

3. ⟨Define a hello message to say 3⟩ ≡  
`const char *message = "Helooooooooo!";`

This code is used in section 5.

4. This is how you say it in C:

5. ⟨Say the message 5⟩ ≡  
⟨Define a hello message to say 3⟩;  
`printf("%s\n", message);`

This code is used in section 6.

6. The program needs to be put together like so:

⟨Some headers are needed 8⟩;

```
int main()
{
    ⟨Say the message 5⟩;
    return EXIT_SUCCESS;
}
```

7. We do need to include some headers

8. ⟨Some headers are needed 8⟩ ≡

```
#include <stdio.h>
#include <stdlib.h>
```

This code is used in section 6.

`EXIT_SUCCESS:` 6.

`main:` 6.

`message:` 3, 5.

`printf:` 5.

- ⟨Define a hello message to say 3⟩ Used in section 5.
- ⟨Say the message 5⟩ Used in section 6.
- ⟨Some headers are needed 8⟩ Used in section 6.