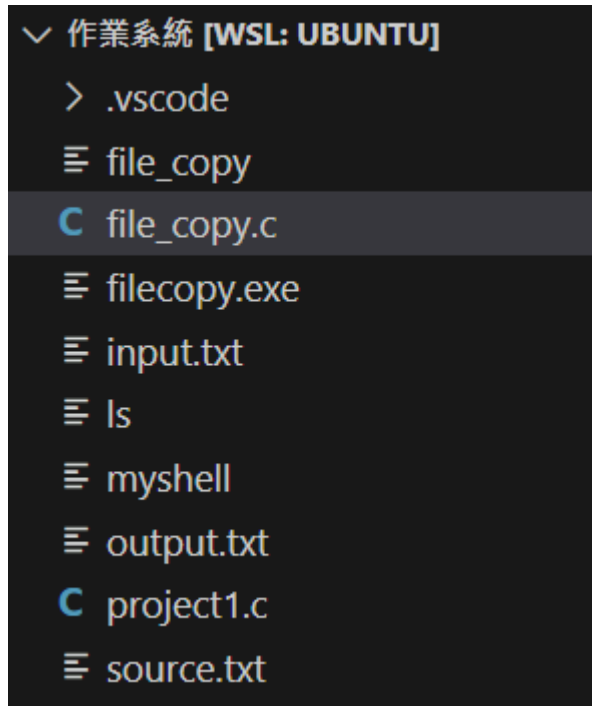


HW1

Chap. 2 2.24*:

一開始的檔案狀況



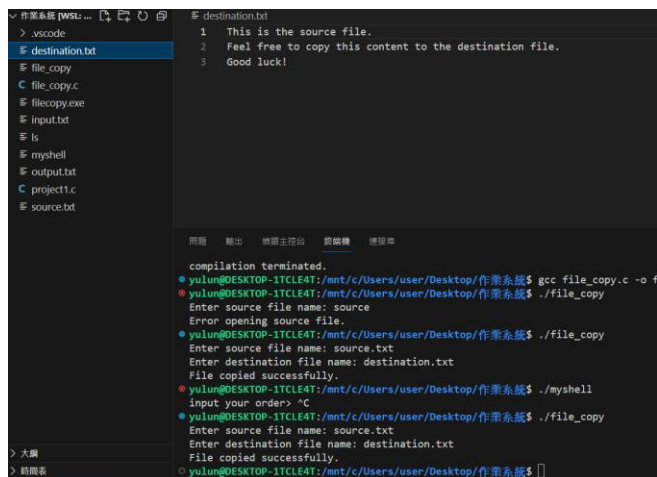
1.輸入要複製的檔案名稱 這裡輸入資料夾中的 source.txt

```
yulun@DESKTOP-1TCL44T:/mnt/c/Users/user/Desktop/作業系統$ ./file_copy
Enter source file name: source.txt
```

2.輸入要複製到的目的地名稱，這裡 destination.txt

```
yulun@DESKTOP-1TCL44T:/mnt/c/Users/user/Desktop/作業系統$ ./file_copy
Enter source file name: source.txt
Enter destination file name: destination.txt
```

3.完成複製



Chap. 3 3.19*:

執行後可以看到 cmd 指令的時間

1. 第一個版本的時間

```
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ gcc time_v1.c -o time_v1 -lrt
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ ./time_v1 ls
destination.txt  file_copy.c  input.txt  myshell    pipe_copy  project1.c  time    time_v1.c
file_copy       filecopy.exe ls         output.txt pipe_copy.c source.txt time_v1
Elapsed time: 0.001692 seconds
```

2. 第二個版本的時間

```
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ gcc time_v2.c -o time_v2 -lrt
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ ./time_v2 ls
Elapsed time: 0.002363 seconds
```

可以看到第二個版本的速度較快

Chap. 3 3.27*:

執行後可以透過管道方式複製檔案

```
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ ./pipe_copy
Usage: ./pipe_copy <source_file> <destination_file>
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$ ./pipe_copy source.txt output.txt
yulun@DESKTOP-1TCLE4T:/mnt/c/Users/user/Desktop/作業系統$
```

