

```
M11212913@telnet: ~/hw7  X  +  v
M11212913@telnet:~/hw7$ more main.c
#include <stdio.h>
#include <unistd.h>
#include <fcntl.h>

int main() {
    unsigned int status;
    int fd1, fd2;
    char input[100];
    scanf("%s", input);
    fd1 = open(input, O_RDONLY);
    pid_t i = fork();

    if (i == 0) {
        fd2 = open("result", O_WRONLY | O_CREAT | O_TRUNC, 0644);
        close(0);
        dup(fd1);
        close(fd1);

        close(1);
        dup(fd2);
        close(fd2);

        execlp("wc", "wc", (char *)NULL);
    }
    else {
        close(fd1);

        wait(&status);

        fd2 = open("result", O_RDONLY);

        char buffer[100];
        int rd1 = read(fd2, buffer, sizeof(buffer) - 1);
        buffer[rd1] = '\0';

        int num1, num2;
        sscanf(buffer, "%d %d", &num1, &num2);
        printf("%d %d\n", num1, num2);

        close(fd2);
    }

    return 0;
}
M11212913@telnet:~/hw7$
```

[more main.c](#)

```
M11212913@telnet:~/hw7$ more foo.bar
hello world

io redirection
system call

test123

lllllll

sadsad sad sad

wwwwwwwwwww

a sd

adasdsad
asdasdsadasdsadasd
M11212913@telnet:~/hw7$ wc foo.bar
 18  16 123 foo.bar
M11212913@telnet:~/hw7$
```

[more foo.bar](#)

待會要輸入測試的檔案及其 wc

```
M11212913@telnet:~/hw7$ ls
foo.bar main.c script
M11212913@telnet:~/hw7$ gcc main.c
M11212913@telnet:~/hw7$ ./a.out
foo.bar
18 16
M11212913@telnet:~/hw7$
```

[Gcc main.c](#)

[./a.out](#)

輸入 foo.bar，讀 result 中的前兩個數字，並印出。