

```
makefile - hw1 - Visual Studio Code
File Edit Selection View Go Run Terminal Help

EXPLORER
OPEN EDITORS
  master.c
  makefile
  mmv.c
  blake.txt
HW1
  blake.txt
  happy.tmp
  happy2.tmp
  makefile
  master.c
  master.out
  mmv.c
OUTLINE
  No symbols found in document
  'makefile'

1 all:
2     g++ master.c -o master.out
3     g++ mmv.c -o mmv.out
4
5 test:
6     cat blake.txt
7     ls
8     ./master.out
9     cat happy.tmp
10    ls
11    ./master.out blake.txt happy2.tmp
12    cat happy2.tmp
13
14 clean:
15     rm -f master.out
16     rm -f mmv.out
17     rm -f *.tmp
```

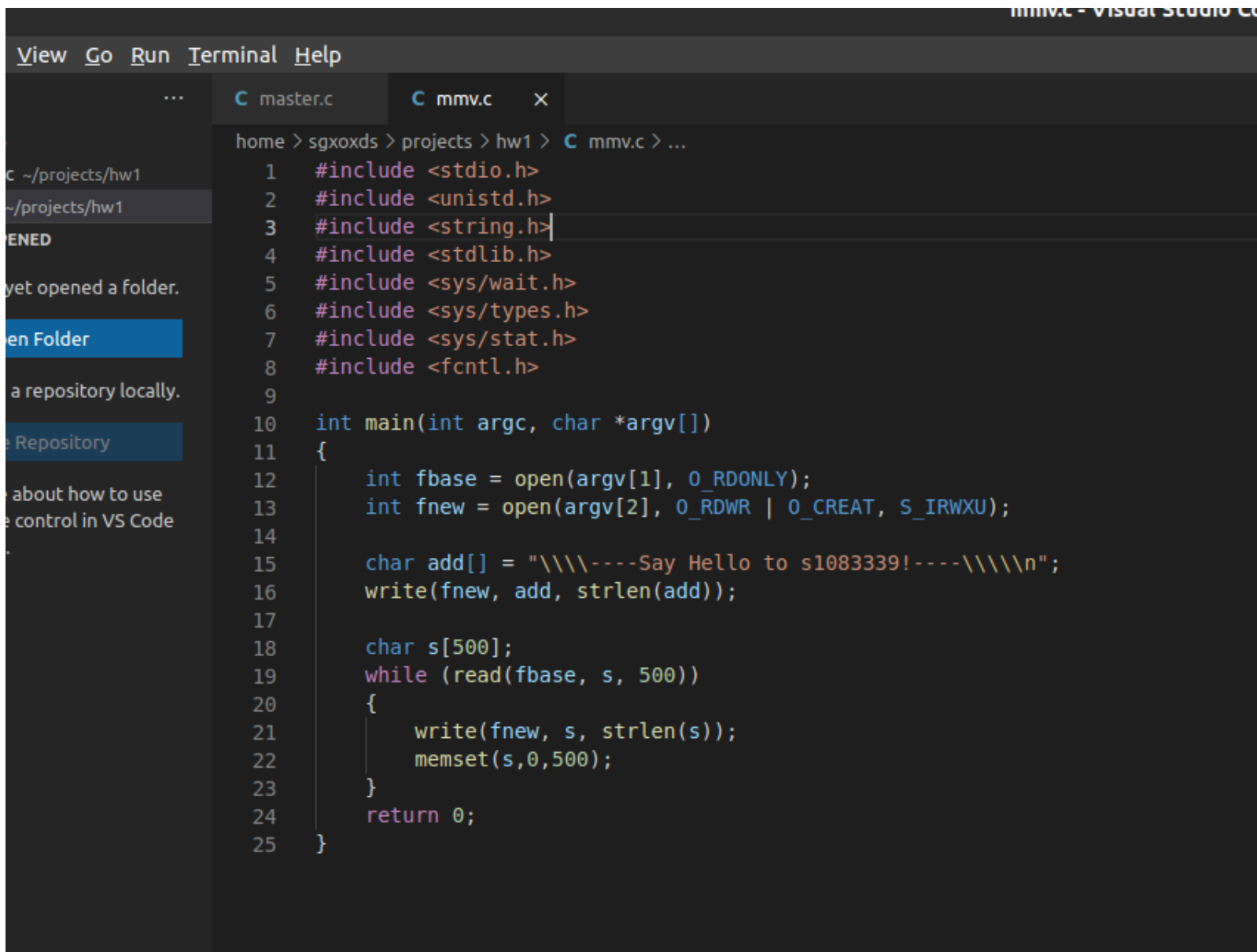
Ln 14, Col 7 Tab Size: 4 UTF-8 LF Makefile

單純依照pdf的內容做出相應的makefile

```
File View Go Run Terminal Help
C master.c x
home > sgxoxds > projects > hw1 > C master.c > main(int, char * [])
1  #include <stdio.h>
2  #include <unistd.h>
3  #include <string.h>
4  #include <stdlib.h>
5  #include <sys/wait.h>
6
7
8  int main(int argc, char *argv[])
9  {
10     pid_t fpid = fork();
11     if(fpid == 0)
12     {
13         if(argc == 3)
14             execl("./mmv.out", "./mmv.out", argv[1], argv[2], NULL);
15         else
16             execl("./mmv.out", "./mmv.out", "blake.txt", "happy.tmp", NULL);
17     }
18     wait(NULL);
19     return 0;
20 }
```

在子程序時  
才去呼叫mmv

master 我設定有兩種格式  
無參數 與 兩個參數  
再透過system()呼叫mmv

The image shows a screenshot of the Visual Studio Code editor interface. The title bar at the top reads "mmv.c - Visual Studio Code". The menu bar includes "View", "Go", "Run", "Terminal", and "Help". The Explorer sidebar on the left shows a file tree with "master.c" and "mmv.c" selected. The main editor area displays the code for "mmv.c" with line numbers 1 through 25. The code includes standard C headers and implements a simple file copying function using the 'write' and 'read' system calls. The file path in the terminal is "home > sgxoxds > projects > hw1 > C mmv.c > ...".

```
1  #include <stdio.h>
2  #include <unistd.h>
3  #include <string.h>
4  #include <stdlib.h>
5  #include <sys/wait.h>
6  #include <sys/types.h>
7  #include <sys/stat.h>
8  #include <fcntl.h>
9
10 int main(int argc, char *argv[])
11 {
12     int fbase = open(argv[1], O_RDONLY);
13     int fnew = open(argv[2], O_RDWR | O_CREAT, S_IRWXU);
14
15     char add[] = "\\ \\ \\ ----Say Hello to s1083339!----\\ \\ \\ \\n";
16     write(fnew, add, strlen(add));
17
18     char s[500];
19     while (read(fbase, s, 500))
20     {
21         write(fnew, s, strlen(s));
22         memset(s, 0, 500);
23     }
24     return 0;
25 }
```

mmv先讀取基本檔案  
再創造或覆寫另一個檔案

先加一行老師指定內容到開頭  
再從基本檔案copy過去