

A screenshot of a terminal window titled "s112213017@s112213017-VirtualBox: ~/os_hw". The window shows a C program for a simplified shell. The code includes comments in Chinese and English, such as "顯示提示字元 (已改成學號)" and "// 讀取使用者輸入". The terminal also displays the output of running the compiled shell, showing directory listings and command execution.

```
int main() {
    char cmdline[MAX_CMD_LEN];
    char *args[MAX_ARG];
    char *token;
    pid_t pid;
    int status;

    printf("A simplified shell ... Enter exit to terminate!\n");

    while (1) {
        // 顯示提示字元 (已改成學號)
        printf("112213017:$ ");
        fflush(stdout);

        // 讀取使用者輸入
        if (fgets(cmdline, sizeof(cmdline), stdin) == NULL) {
            printf("\n");
            break;
        }

        // 移除換行符號
    }
}

-- INSERT --
```

```
s112213017@s112213017-VirtualBox:~/os_hw$ gcc shell.c -o myshell
s112213017@s112213017-VirtualBox:~/os_hw$ ./myshell
A simplified shell ... Enter exit to terminate!
112213017:$ ls
myshell shell.c
child complete
112213017:$ ls -l
total 24
-rwxrwxr-x 1 s112213017 s112213017 16608 Oct 25 17:52 myshell
-rw-rw-r-- 1 s112213017 s112213017 1772 Oct 25 17:49 shell.c
child complete
112213017:$ ls -l -a
total 32
drwxrwxr-x 2 s112213017 s112213017 4096 Oct 25 17:52 .
drwxr-x--- 18 s112213017 s112213017 4096 Oct 25 17:49 ..
-rwxrwxr-x 1 s112213017 s112213017 16608 Oct 25 17:52 myshell
-rw-rw-r-- 1 s112213017 s112213017 1772 Oct 25 17:49 shell.c
child complete
112213017:$ exit
Simplified shell terminated !
```