

```

1 //
2 //  main.c
3 //  운체과제
4 //
5 //  Created by hyungwook on 2021/10/01.
6 //
7
8 #include <sys/types.h>
9 #include <stdio.h>
10 #include <unistd.h>
11 #include <sys/wait.h>
12
13 int main(int argc, const char * argv[]) {
14     // insert code here...
15     pid_t pid;
16
17     pid = fork();
18
19     if (pid < 0) {
20         fprintf(stderr, "Fork Failed");
21         return 1;
22     }
23     else if (pid == 0) {
24         execlp("/bin/ls", "ls", NULL);
25     }
26     else {
27         wait(NULL);
28         printf("Child Complete");
29     }
30     return 0;
31 }
32

```

```

hyungwook@hyungwookui-MacBookPro: ~/Desktop/운체과제/운체과제
02:05:41 PM -34 hyungwook ~/Desktop/운체과제/운체과제
> ls
a.out main.c
02:05:48 PM -34 hyungwook ~/Desktop/운체과제/운체과제
> ./a.out
a.out main.c
Child Complete
02:05:54 PM -34 hyungwook ~/Desktop/운체과제/운체과제
>

```

```

#include <stdio.h>
#include <windows.h>

int main(void) {
    STARTUPINFO si;
    PROCESS_INFORMATION pi;

    ZeroMemory(&si, sizeof(si));
    si.cb = sizeof(si);
    ZeroMemory(&pi, sizeof(pi));

    TCHAR path[128] = TEXT("C:\\WINDOWS\\system32\\mspaint.exe");

    if (!CreateProcess(NULL, path, NULL,
        NULL,
        FALSE,
        0,
        NULL,
        NULL,
        &si, &pi))
    {
        fprintf(stderr, "Create Process Failed");
        return -1;
    }

    WaitForSingleObject(pi.hProcess, INFINITE);
    printf("Child Complete");

    CloseHandle(pi.hProcess);
    CloseHandle(pi.hThread);
}

```



