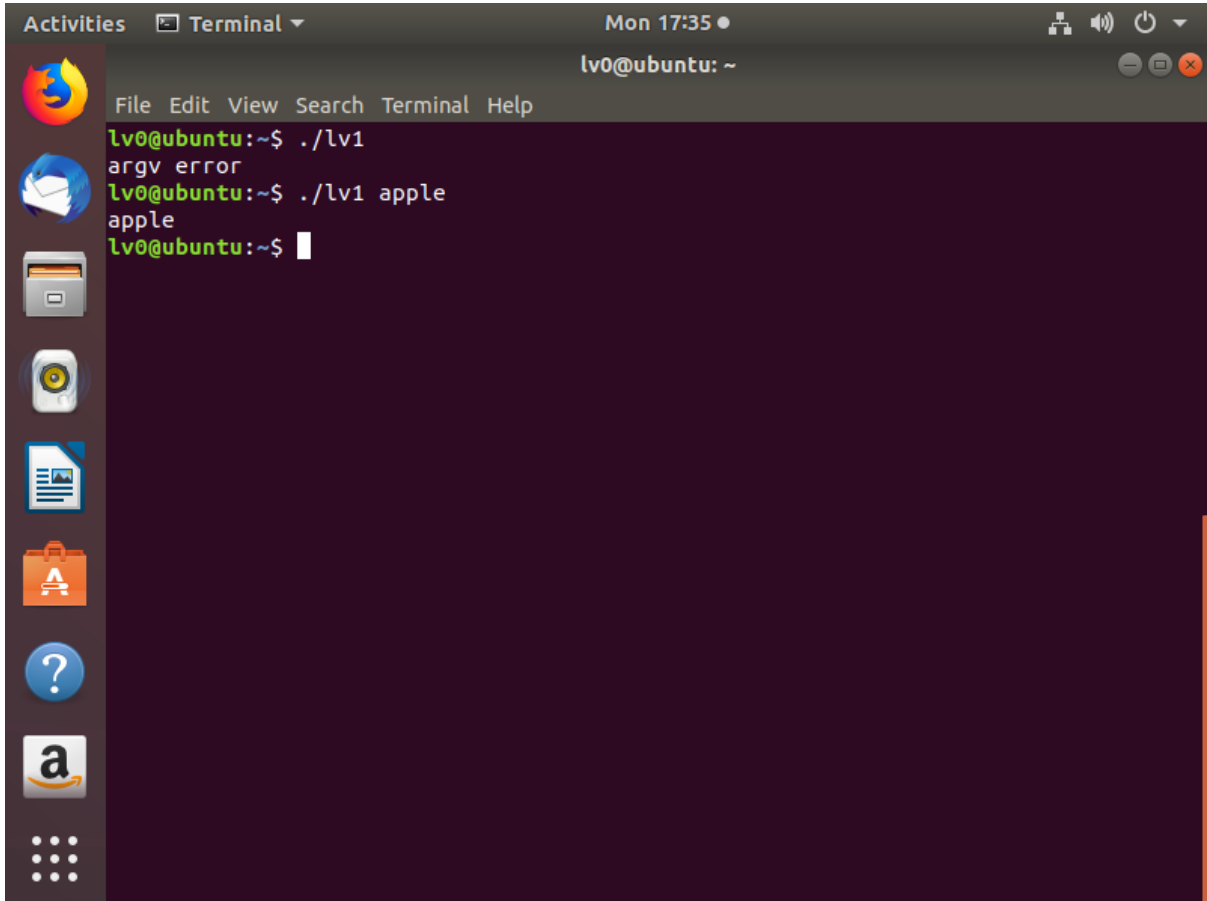


Wargame Write-up

유준혁

level0 -> level1



```
lv0@ubuntu:~$ ./lv1
argv error
lv0@ubuntu:~$ ./lv1 apple
apple
lv0@ubuntu:~$
```

lv1을 실행해 보았더니 argv에러가 뜬 것을 확인했고 apple이라는 argv를 넣었더니 그대로 출력되었다.

```
Activities Terminal Mon 17:51 lv0@ubuntu: ~
File Edit View Search Terminal Help
pwndbg> pdisas main
▶ 0x8048430 <main>      push    ebp
0x8048431 <main+1>      mov     ebp, esp
0x8048433 <main+3>      sub     esp, 0x100
0x8048439 <main+9>      cmp     dword ptr [ebp + 8], 1
0x804843d <main+13>     jg      main+38 <0x8048456>

0x804843f <main+15>     push    0x80484e0
0x8048444 <main+20>     call   printf@plt <0x8048350>

0x8048449 <main+25>     add     esp, 4
0x804844c <main+28>     push    0
0x804844e <main+30>     call   exit@plt <0x8048360>

0x8048453 <main+35>     add     esp, 4
pwndbg>
0x8048456 <main+38>     mov     eax, dword ptr [ebp + 0xc]
0x8048459 <main+41>     add     eax, 4
0x804845c <main+44>     mov     edx, dword ptr [eax]
0x804845e <main+46>     push    edx
0x804845f <main+47>     lea     eax, [ebp - 0x100]
0x8048465 <main+53>     push    eax
0x8048466 <main+54>     call   strcpy@plt <0x8048370>

0x804846b <main+59>     add     esp, 8
0x804846e <main+62>     lea     eax, [ebp - 0x100]
0x8048474 <main+68>     push    eax
0x8048475 <main+69>     push    0x80484ec
pwndbg>
```

pwndbg로 디버깅을 해본 결과 256바이트의 공간이 할당되어 있음을 알 수 있다. (esp, 0x100)

