Assembly programming

Welcome back! This is day 2

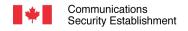
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What did we do yesterday?





What is the effect of this command? mov eax, [ebp - 4]

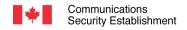


What about this one? lea eax, [esp + 4]



What is the *result* here?

```
mov eax, 0x05
xor edx, edx
mul 0x02
```





What is the *result* here?

mov eax, 0x05 xor edx, edx mov ecx, 0x02 idiv ecx





What is this function meant to do?

```
unknownFunc:
    push ebp
    mov ebp, esp
    lea eax, [ebp + 0x08]
    mov eax, [eax]
  fun:
    cmp byte [eax], 0x61
    il noFun
    sub byte [eax], 0x20
  noFun:
    inc eax
    cmp byte [eax], 0x00
    jnz fun
    pop ebp
    ret
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```



Communications

Security Establishment



And what about this one?

```
unknownFunc:
    push ebp
    mov ebp, esp
    mov edx, [ebp + 0x08]
    mov cl, dl
    and dl, 0x20
    xor dl, cl
    movzx eax, dl
    pop ebp
    ret
```

