X86 ASM

mov eax, 0x1337 – Move 0X1337 to eax

mov bx, ax – Move ax to bx

mov [esp+4], bl

Anything inside a square bracket it means it is trying to access the computer’s memory

MOZX – Zero-extend move

MOVSX – Sign-extend move

Mov ebx, [esp+eax\*4] intel – Move [esp+eax\*4] to ebx

Mov (%esp, %eax, 4), %ebx AT&T – Move (%esp, %eax,4) to %ebs

ADD eax, ebx == eax+= ebx

Sub eax, 123 == eax -= 123

Sub eax, BL == illegal (the bytes is uneven)