

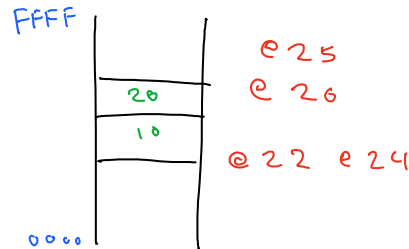
31 x86 Stack

Monday, November 16, 2015 10:00

A function with two parameters

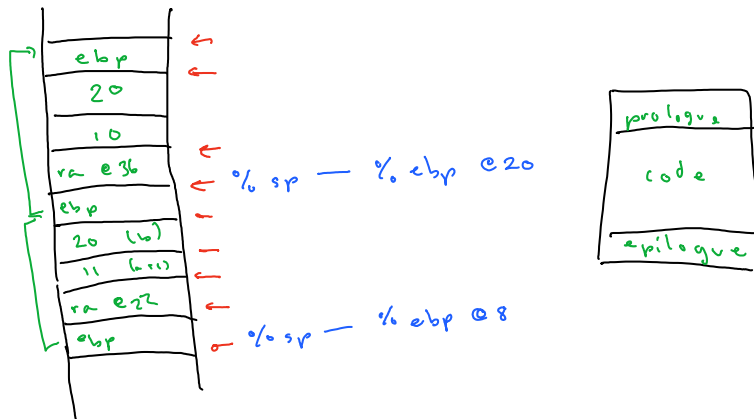
In main

Push1	\$20
Push1	\$10
Call	X
Add1	\$8, %esp



Push automatically decreases the stack pointer

So after the function call, we add 8 to the stack pointer to return the stack pointer to the correct position



Leave has to do two things

Grab current ebp, make that the stack pointer, then pop the copy of ebp off the stack and move it to the ebp register

`%esp <- %ebp`

`Pop %ebp`