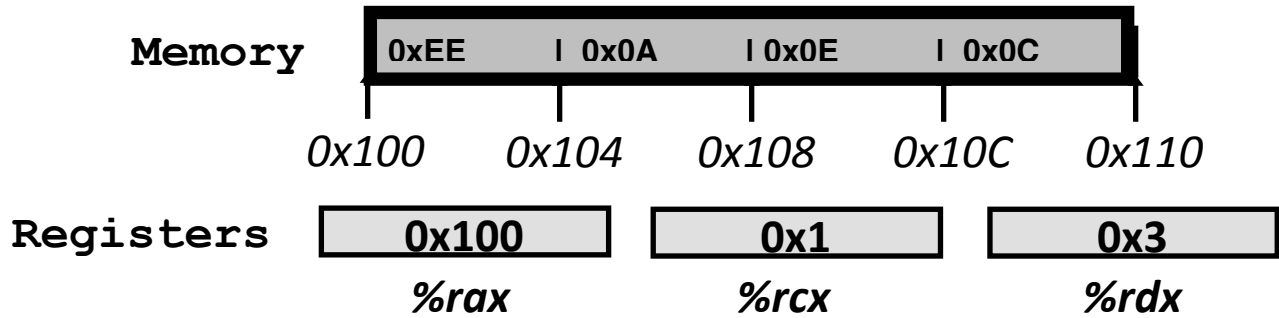


CSCI 2330 – x86-64 Movement and Addressing Exercises (2)

1. Assuming the following memory contents and register values, compute the results of the following MOV instructions and fill in the contents of memory at the end of the process.



Operation	%rax	%rcx	%rdx	0x100	0x104	0x108	0x10C
mov \$0x0F, %rcx							
mov %rcx, (%rax)							
mov (%rax,%rdx,4),%rcx							
mov \$0x108, %rdx							
mov (%rdx), %rax							
mov %rcx, (%rdx)							
mov %rax, 0x10C							

Memory at the End:

0x100	0x104	0x108	0x10c