

Practice Question

- ❖ The following is assembly code for a for-loop; identify the corresponding parts (Init, Test, Update)
 - $i \rightarrow \%eax$, $x \rightarrow \%rdi$, $y \rightarrow \%esi$

Line	
1	movl \$0, %eax
2	.L2: cmpl %esi, %eax
3	jge .L4
4	movslq %eax, %rdx
5	leaq (%rdi,%rdx,4), %rcx
6	movl (%rcx), %edx
7	addl \$1, %edx
8	movl %edx, (%rcx)
9	addl \$1, %eax
10	jmp .L2
11	.L4: