9/24/15 Pre-Class Work

* Required

Harvard email address: *

Please indicate which course you are taking. *

- CS61 (College)
- CSCIE-61 (Extension)

Addressing Modes

Which of the following is most likely to be accessing an array of integers? *

- movl (%eax), %edx
- movl (%eax, %edi), %edx
- movl (%eax, %edi, 4), %edx
- movl 3(%eax, %edi, 4), %edx

Which of the following is most likely loading a global variable value into %eax? *

- movl a, %eax
- movl (%esp), %eax
- movl (%eax), a
- movl $a, %eax

Which of the following is most likely accessing an element of a structure? *

- movl b, %eax
- movl 8(%eax), %edx
- movl (%eax, %edx), %ecx
- pushl %ebp

Which of the following accesses memory? *

- movl $0xabcdbcde, %eax
- movl %eax, %edx
- movl 0xabcdbcde, %ecx
- leal 4(%eax, %edx, 8), %edx
Control Flow

Which of the following jumps only if A > %eax? *

- cmpl A, %eax; jgt X
- cmpl A, %eax; jlt X [X]
- cmpl A, %eax; jge X
- cmpl A, %eax; jle X

JL behaves identically to JNGE. *

- True [X]
- False

The hardware distinguishes whether a cmpl instruction is comparing signed or unsigned numbers. *

- True
- False [X]

Never submit passwords through Google Forms.