

Q#1 Code of JUMP instruction

section .data

msg db 'Counting: ', 0

jumped\_msg db 0x0D, 0x0A, 'Jumped!\$'

count db 1

section .text

global \_start

\_start:

mov cx, 5

print\_count:

mov ah, 0x09

lea dx, [msg]

int 0x21

mov al, [count]

add al, 48

mov ah, 0x0E

int 0x10

cmp [count], 3

je jumped

inc byte [count]

loop print\_count

jmp exit

jumped:

mov ah, 0x09

lea dx, [jumped\_msg]

int 0x21

exit:

mov ah, 0x4C

int 0x21