**Assignment 01**

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# **Q#1:**

include Irvine32.inc

.data

var DB 0,0,0,0,0,1,0,0b

.code

main proc

mov ecx,0

mov esi,0

mov ebx,0

mov cx,lengthof var

l1:

mov dl,var[esi]

add esi,1

cmp dl,0

je t

add bx,1

t:

loop l1

exit

main endp

end main

# **Q#2:**

include Irvine32.inc

.data

var1 DB 02h

var2 DB 03h

var3 DB 04h

.code

main proc

mov edx,0

movzx eax,var1

movzx ebx,var2

movzx ecx,var3

add dl,al

add dl,bl

cmp al,dl

jnb toEnd

l1:

cmp bl,cl

je sol

cmp al,bl

jnb start

sol:

add al,bl

start:

loop l1

toEnd:

exit

main endp

end main