TASK 1)

CountOnes PROC

mov BX, 0

mov CX, 16

L: sh1 AX, 1

jnc S

inc BX

S: loop L

ret

CountOnes ENDP

Task 2)

mov AX, b

add AX, c

cmp a, AX

jge done

L1: mov AX, b

cmp AX, c

je L2

cmp a, AX

jge L3

L2: mov AX, a

add AX, b

mov a, AX

L3: dec c

mov AX, c

cmp AX, 0

jg L1

mov AX, a

cmp AX, 0

jne done

mov AX, b

cmp AX, 0

jne done

inc c

done: Task 3)

1. 23 or 17h  **b)** It zeroes the AX register **c)** DEC CX

CMP CX, 0

JNZ label1