**Coal lab 10**

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Question 1

CODE:

Include irvine32.inc

.data

val1 DWORD 5

val2 DWORD 5

a DWORD ?

.code

main proc

mov eax,val1

cmp eax,val2

jne new

mov a,1

jmp new2

new:

mov a,0

new2:

mov eax,a

call writedec

call crlf

exit

main endp

end main

OUTPUT:

A computer screen capture

Description automatically generated with medium confidence

Question 2

CODE:

Include irvine32.inc

.data

ar1 SDWORD 3 dup (?)

.code

main proc

mov esi,offset ar1

mov ecx,lengthof ar1

next:

call readint

mov [esi],eax

test word ptr [esi],8000h

pushfd

add esi,TYPE ar1

popfd

loopnz next

jnz quit

sub esi,Type ar1

mov eax,[esi]

call writedec

quit:

call crlf

exit

main endp

end main

OUTPUT:

A screenshot of a computer

Description automatically generated with medium confidence