**Coal lab 08**

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Question 1

CODE:

include irvine32.inc

.data

msg1 byte "enter number: ",0,0ah,0dh

input dword ?

.code

mean proc

mov eax,input

mov input,5

sub edx,edx

div input

ret

mean ENDP

main PROC

mov edx,offset msg1

call writestring

call readint

mov input,eax

mov ecx,4

mov ebx,4

l1:

mov edx,offset msg1

call writestring

call readint

add eax,input

mov input,eax

loop l1

call mean

call writeInt

exit

main endp

end main

A picture containing text, screenshot, computer, monitor

Description automatically generatedOUTPUT:

Question 2

CODE:

include irvine32.inc

.data

arr byte 5 dup(?)

len = ($-arr)

.code

sorting proc

mov ecx,0

.while(ecx<5)

call readdec

mov arr[ecx], al

inc ecx

.endw

mov ecx,0

mov al,0

.while(ecx<5)

add al, arr[ecx]

inc ecx

.endw

call writedec

call crlf

mov edx,0

mov bl, al

mov al, len

call writedec

call crlf

div bl

mov al,dh

call writedec

ret

sorting ENDP

main proc

call sorting

exit

main endp

end main

OUTPUT:

A computer screen capture

Description automatically generated with medium confidence