

Read an alphanumeric character and display its equivalent ASCII value on screen.

. model small

display macro msg

lea dx, msg

mov ah, 09H

int 21H

endm

• data

msg1 db 0ah, 0ah, "Enter a character: \$"
res db 02 dup(0)

• code

mov ax, @data

mov ds, ax

mov ax, 00H

display msg1

mov ah, 01H

int 21H

mov bl, al

mov cl, 04

shl al, cl

and bl, 0FH

cmp bl, 0AH

jc digit1

add bl, 07H

digit1: add bl, 30H

mov res+1, bl

mov ah, 00H

mov al, 03H

int 10H

mov ah, 02H

mov bh, 00H

mov dl, 28H

int 10H

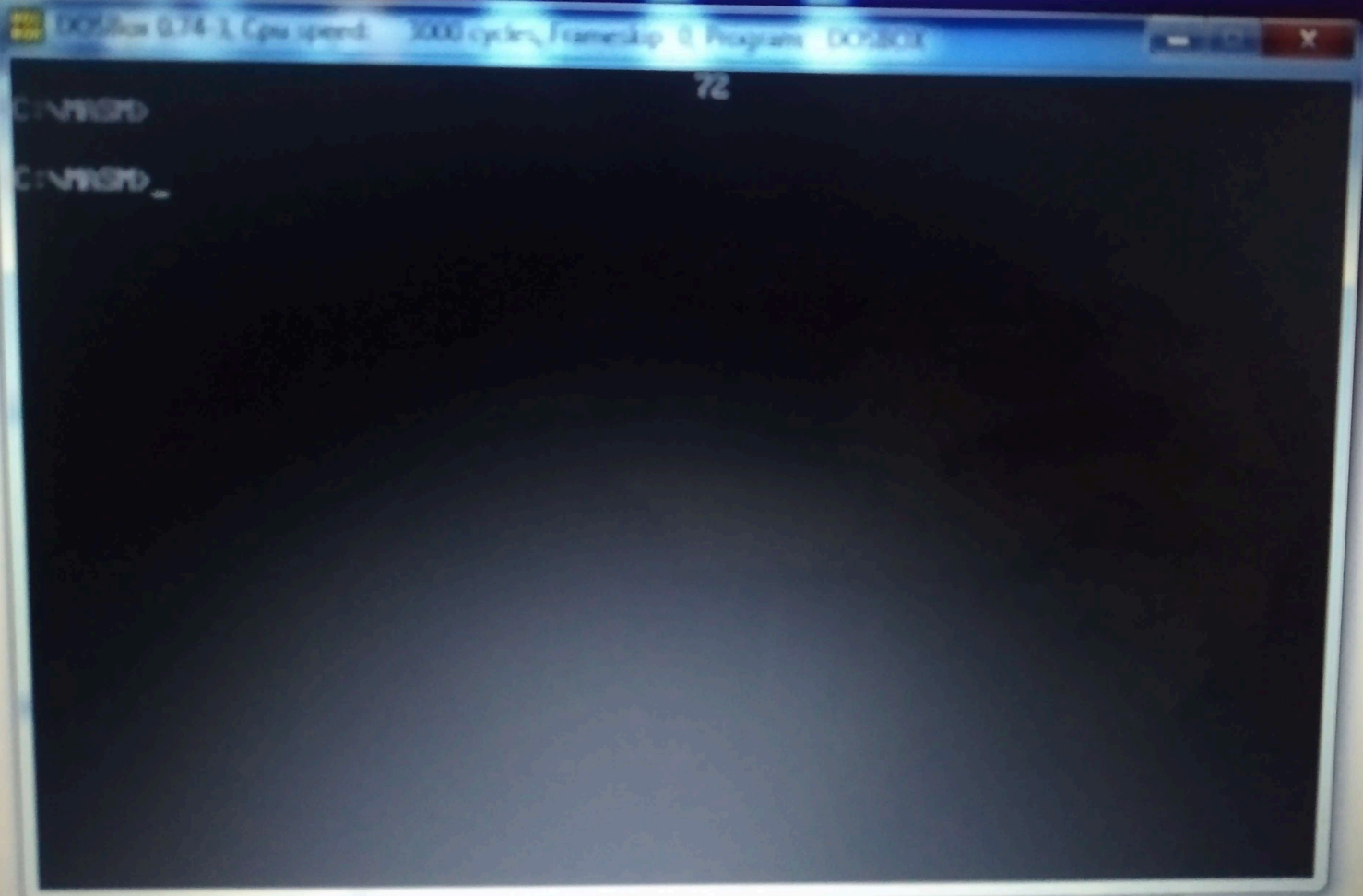
mov res+2, byte ptr '\$'

display res

mov ah, 4ch

int 21H

end



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Program Files