

.model small
-data

; Alphanumeric characters ASCII

msg1 db 0dh, 0ah, "enter alphanumeric character &"
res db 02 dup(0)

.code

mov ax, @data

mov ds, ax

lea dx, msg1

call disp

mov ah, 01h

int 21h

mov bl, al

mov cl, 4

shl al, cl

cmp al, 0ah

jc digit

ADD AL, 07h

digit: add al, 30h
mov res, al

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

; TEXT MODE

mov ah, 02h

; Set the cursor pos

mov bh, 00h

; Page number

mov dh, 0ch

; Row 100 is 30h

mov al, 28h

; Column Val

int 10h

mov res+2, '\$'

lea dx, res

call disp

mov ah, 4ch

int 21h

disp proc near

mov ah, 09h

int 21h

ret

disp endp

end