

Lab ASCII

ARYAN

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.model small

.data

msg1 db 0ah, 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

shr 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

```
digit 1: add bl, 30h  
mov yes + 1, bl  
mov ah, 00h  
mov al, 03h  
int 10h
```

```
mov ah, 02h ; Set cursor pos2.  
mov bh, 00h ; pg. no.  
mov dh, 0ch ; Row (00 is top)  
mov dl, 28h ; column Val  
int 10h
```

```
mov yes + 2, '$' ; String termin '$'  
lea dx, yes  
call disp  
mov ah, 4ch  
int 21h
```

```
disp proc near  
mov ah, 09h  
int 21h  
ret  
disp endp  
end.
```