

ASCII program

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```
• model small
• data
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
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
digit1: add bl, 30h
      mov res+1, bl
```

mov ah, 00h

mov al, 03h

int 10h

mov ah, 02h

mov bh, 00h

mov ch, 0ch

mov di, 28h

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