

INT 21H

END

ASCII CVallesha.M, LBM19CS177)

.model small

.data

msg1 db 0DH, 0AH, "Enter alphanumeric
character: \$"

res db 02H 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

~~DIGIT:~~

~~ADD AL, 30H~~

~~MOV RES, AL~~

DIGIT1:

ADD BL, 30H

MOV RES+1, BL

MOV AH, 03H

INT 10H

MOV AH, 02H

MOV BH, 00H

MOV DH, 0CH

MOV DL, 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
```