ASCII

```
.model small
.data
msg1 db 00dh, 0ah, "Enter alphanumeric charac: $"
res db    02 dup (0)


.code
mov ax, @data
mov ds, ax
lea dx, msg1
call disp
mov ah, 01h
int 21h
move bl, al
mov cl, 4                    ;       '.= 3A = 334/
shr al, cl                   ;  AL = 3A   AL=03   BL=3A
cmp al, 0ah                  ;  AL= 3A    39/33    OF
jc digit                     ;                     0A
add al, 07h                  ;                     0 41
digit: add al, 30h
       move res, al
       and bl, 00fh
       cmp bl, 0ah
       jc digit1
       add bl, 07h

digit1:  add bl, 30h
         move res+1, bl
         move ah, 00h
         move dl, 03h ;   Text mode
         int    10h
         move ah, 02h ;  Set cursor pos
```

```asm
mov bh, 00h    ; page numbers ASCII
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
```