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C:\MASM\ASCII.ASM

```
.model small
.data
msg1 db 0dh,0ah,"enter the alphanumeric charecter:$"
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
```

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```
digit1:add bl,30h
        mov res+1,bl
        mov ah,00h
        mov al,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
```

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C:\MASM>ascii

enter the alphanumeric charecter: