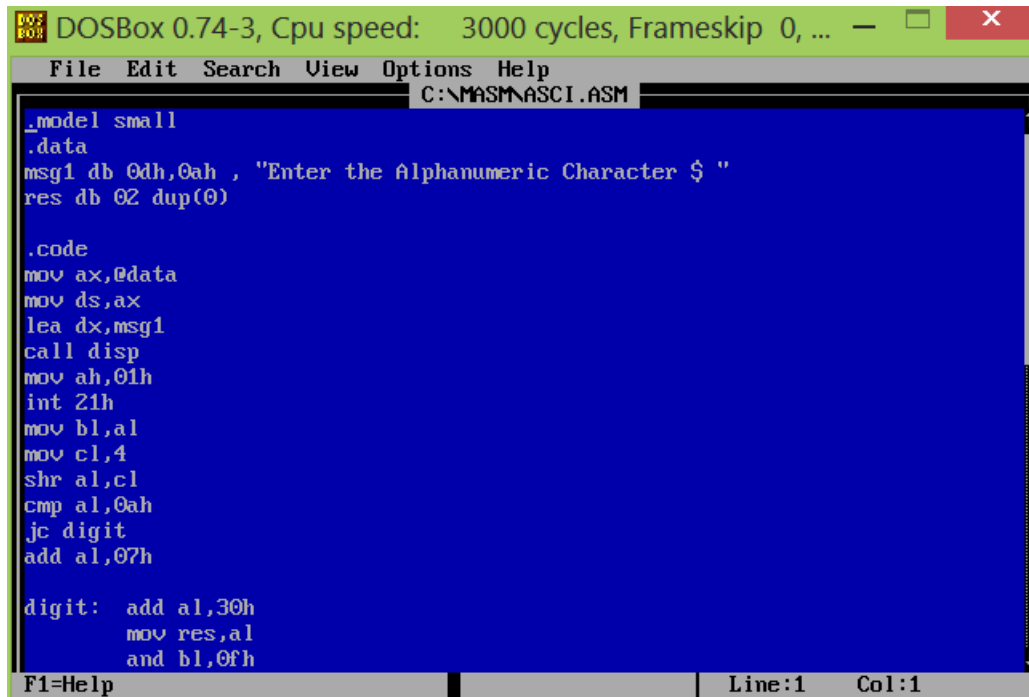


Write a program to convert the alphanumeric character to Ascii value:

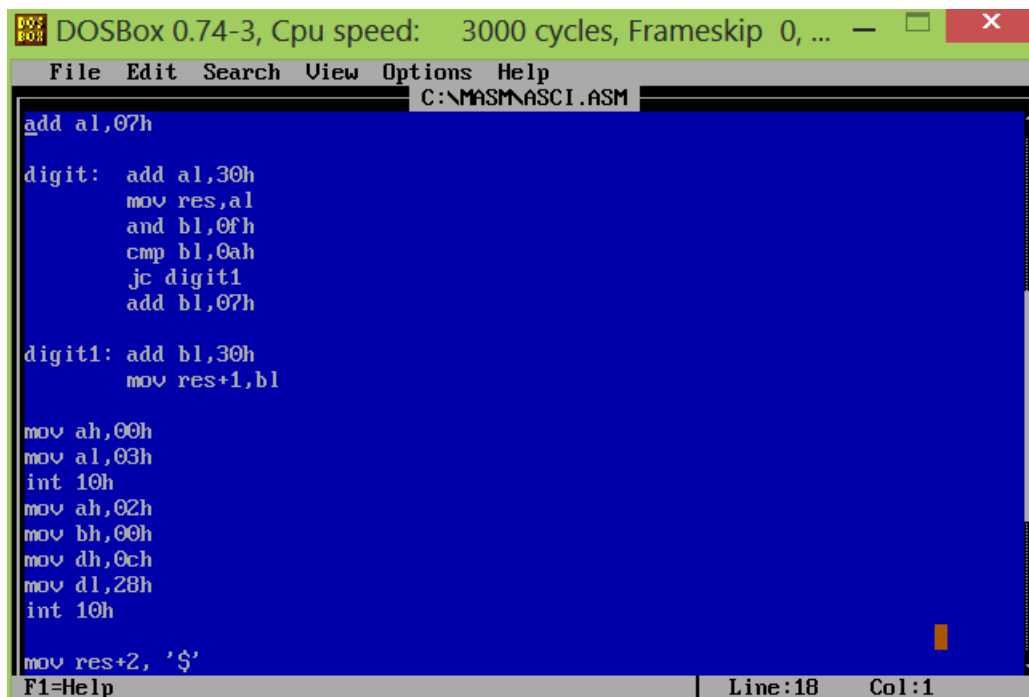
### Program snippet



```
.model small
.data
msg1 db 0dh,0ah , "Enter the Alphanumeric Character $ "
res db 02 dup(0)

.code
mov ax,0data
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
```



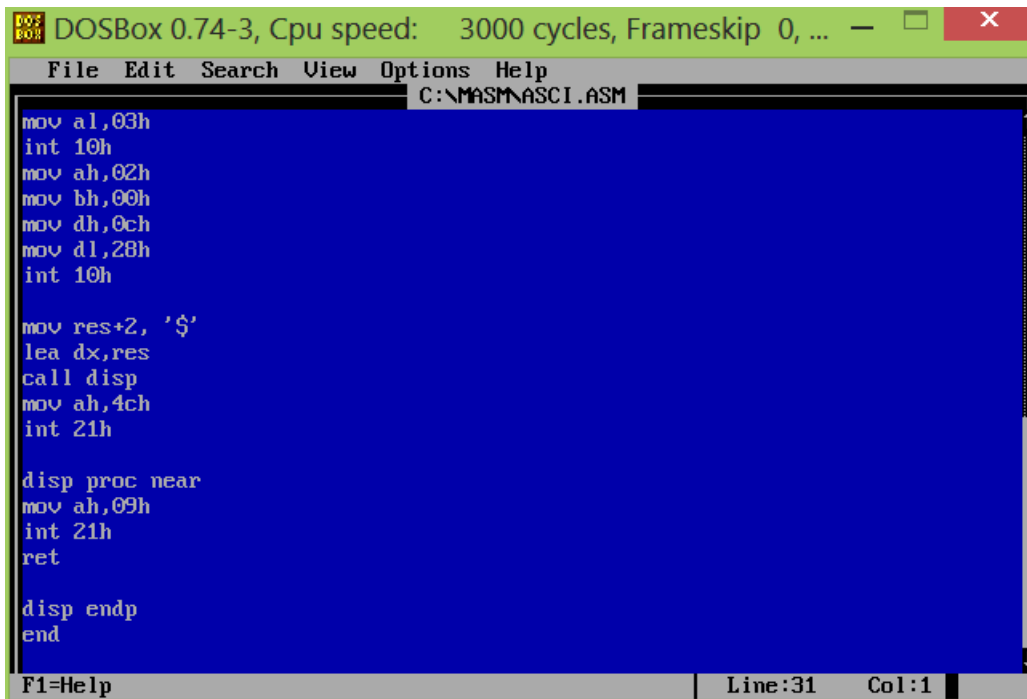
```
add al,07h

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 dh,0ch
mov dl,28h
int 10h

mov res+2, '$'
```



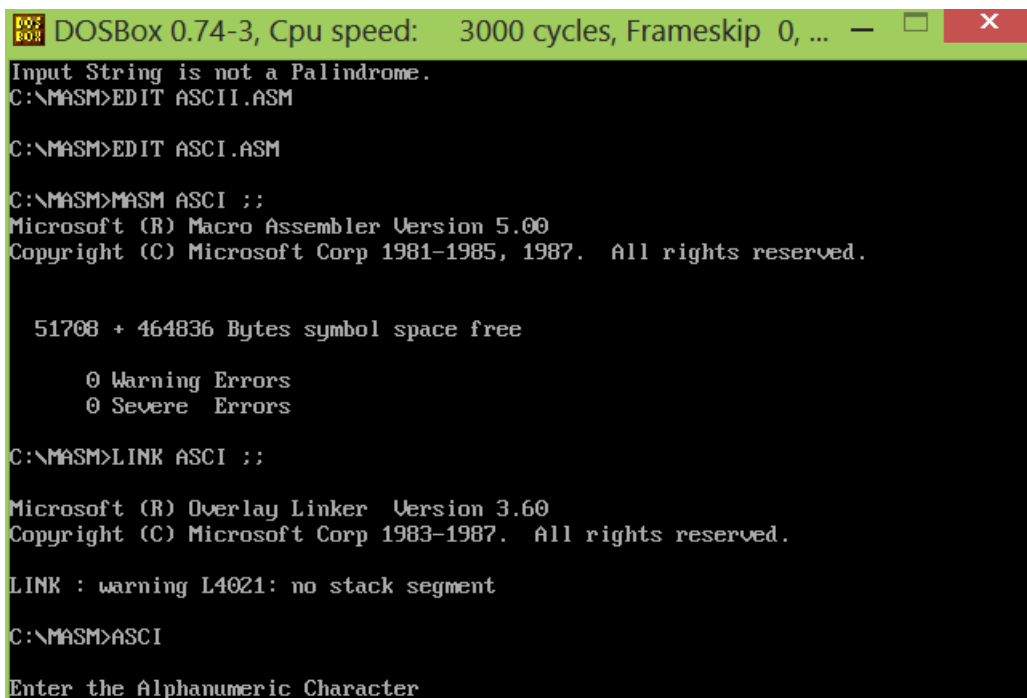
```
DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ...
File Edit Search View Options Help
C:\MASM\ASCII.ASM
mov al,03h
int 10h
mov ah,02h
mov bh,00h
mov dh,0ch
mov dl,28h
int 10h

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
F1=Help | Line:31 Col:1
```

## OUTPUT SCREEN:



```
DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ...
Input String is not a Palindrome.
C:\MASM>EDIT ASCII.ASM

C:\MASM>EDIT ASCII.ASM

C:\MASM>MASM ASCII ;;
Microsoft (R) Macro Assembler Version 5.00
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

51708 + 464836 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\MASM>LINK ASCII ;;

Microsoft (R) Overlay Linker Version 3.60
Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

LINK : warning L4021: no stack segment

C:\MASM>ASCII

Enter the Alphanumeric Character
```

TAKING THE INPUT AS THE

ALPHANUMERIC KEY =7

THE RESULT FOUND TO BE 37

