

ASCII value program

- model small

- data

```
msg1 db 0ah, 0ah, "enter the 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 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
