

27/10/2020

## Displaying the ASCII equivalent: - (LAB PROGRAM)

• model small

• data

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

```
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
```

} For displaying

TEXT MODE



```

mov ah, 02h    → SET THE CURSOR POSITION HAND.
mov bh, 00h    → PAGE NUMBER
mov dh, 0ch    → ROW
mov dl, 28h    → COLUMN VALUE
int 10h

mov xes+2, '$'
lea dx, xes
call disp
mov ah, 4ch
int 21h

disp proc near
mov ah, 09h
int 21h
ret
disp endp
end.

```