

## Lab program 2 Display the ASCII equivalent

- model small
- data

```
msg db 0dh, 0ah "Enter alphanumeric  
character $"
```

```
res db 02 dup (0)
```

- code

```
mov ax, @data
```

```
mov ds, ax
```

```
lea dx, msg
```

```
call disp
```

```
mov ah, 01h
```

```
int 21h
```

```
mov bl, al
```

```
mov cl, 4
```

```
shr al, cl
```

```
cmp al, 0ah
```

```
jnc digit
```

```
digit 1: add bl, 30h
```

```
mov res, bl
```

```
mov ah, 00h } For displaying  
mov al, 03h } Text MODE  
int 10h
```

```
mov ah, 02h → SET The cursor position
```

```
mov bh, 00h → PAGE Number
```

```
mov dh, 0ch → ROW
```

```
mov dl, 28h → Column VAL.
```

```
int 10h.
```



```
mov rest+1, $f
```

```
lea dx, res
```

```
call dish
```

```
mov ah, 4ch
```

```
int 21h
```

```
disk proc near
```

```
mov ah, 09h
```

```
int 21h
```

```
ret
```

```
disk endp
```

```
end
```