

## Lab 3 - ASCII:-

Date

Page

- 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
```

```
mov ah, 01h → call disp
```

```
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, 0bl
```

```
mov ah, 00h
```

```
mov al, 03h ; TEXT MODE
```

```
int 10h
```



mov ah, 02h ; for cursor printing position  
mov bh, 00h ; to set page number  
mov ch, 0ch ; Row value (00 is top)  
mov dl, 28h ; column value  
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