

Lab 3: DISPLAYING EQUIVALENT ASCII CODE

.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

ADD AL, 07H

digit : add al, 30h

mov res, al

add bl, 0fh

cmp bl, 0ah

jc digit1

add bl, 07h

digit+1: add bl, 30h
mov res+1, bl

mov ah, 00h
mov al, 03h
int 10h

mov ah, 02h
mov bh, 00h
mov dl, 28h
int 10h

mov res+2, '\$'
lea dsc, res
call disp
mov ah, 4ch
int 21h

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