

10-11-20

Lab 8



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Q7 Read a pair of co-ordinates as input & move cursor to specified location.

.model small

disf macao msg

lea edi, msg

mov ah, 09h

int 21h

endm

.data

row db 02 dup(0)

col db 02 dup(0)

msg1 db 0dh, 0ah, " X-coordinate : \$ "

msg2 db 0dh, 0ah, " Y-coordinate : \$ "

.code

mov ax, @data

mov ds, ax

disf msg1

mov si, offset row

call read

disf msg2

mov si, offset col

call read

mov si, offset row

mov ah, [si]

inc si



```
    mov al, [si]
    sub ax, 7c36h
    aad
    mov dh, al
    mov si, offset col
    mov sh, [si]
    inc si
    mov al, [si]
    sub ax, 7c36h
    aad
    mov dl, al
    mov ah, 00
    mov al, 03h
    int 16h
    mov ah, 02h
    int 16h
    jmp final
read proc near
    mov cx, 02h
back: mov ah, 01h
    int 21h
    mov [si], al
    inc si
    dec cx
    jmp back
```



```
ret
read endp
finel: mov ah, 01h
      int 21h
      mov ah, 4ch
      int 21h
end
-
```

Q7 Write a program to simulate decimal up-counter to display 00-99.

- model small
- code

```
mov cl, 00h
mov ah, 0ch
mov al, 03h
int 10h

back: mov bh, 0ch
      mov dx, 0ch
      mov dl, 0ch
      mov ah, 02h
      int 10h
      mov al, cl
      add al, 0ch
      ror al
      add ax, 3030h
```





mov ch, al

mov dl, ah

mov ah, 02h

int 21h

mov dl, ch

mov ah, 02h

int 21h

call delay

inc al

xor ax, ax

cmp cl, 100d

jne back

je last

delay proc near

push ax

push bx

push cx

mov cx, 00ffh

ag: mov bx, 0ffh

ag1: mov

dec bx

jnz ag1

dec cx

jnz ag



pop cx

pop bx

pop dx

ret

delay endp

last: mov ah, 9ch

int 21h

end