

>> Program for decimal up counter from 00-99

.model small

.code

mov cl, 00

; Clear the screen

mov ah, 00h

mov al, 03h

int 10h

; Set the cursor position for displaying numbers

back: mov bh, 00h

mov dh, 60h

; Row number

mov dl, 00h

; column number

mov ah, 02h

int 10h

mov al, cl

add al, 60h

; al = 01h

aam

; ax = 01

add ax, 3030h

; ax = 3030h

mov ch, al

; ch = 31h --> lower byte

mov dl, ah

; dl = 30h --> higher byte

mov ah, 02h

; Print on the screen --> i.e. present in dl reg.

int 21h

mov dh, ch

mov ah, 02h

int 21h

call delay

inc cl

c = 02

xor ax, ax

cmp cl, 100d

jne back

je last

delay proc near

push ax

push bx

push cx

mov cx, 0fffh

ag: mov bx, 0fffh

ag1: nop ; no operation

dec bx

jnz ag1

dec cx

inc ag

pop cx

pop bx

pop ax

ret

delay endp

last: mov ah, 4ch

int 21h

end