Program - 8
decimal upcounter

.model small
. code

```
        mov  cl,00
        move ah, 00h
        mov  al, 03h
        int  10h


back :  mov bh,00h
        mov ch, 00h
        mov dl, 00h
        mov ah, 02h
        int 10h


        mov al, cl
        add al, 00h
        aam
        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 cl
        xor ax, ax
        cmp cl, 100d
```

```asm
        jne back
        je  last


delay proc near
      push ax
      push bx
      push cx
      mov  cx, 0ffh
ag:   mov  bx, 0ffh
ag1:  nop
        dec bx
        jnz ag1
        dec cx
        jnz ag
        pop cx
        pop bx
        pop ax
        ret
delay   endp

last: mov ah, 4ch
      int 21h
end:
```