BCD Counter

```
model small
code
mov cl, 00h
mov dh, 00h
mov al, 03h
int 10h

back : mov bh, 00h
       mov dh, 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
```

```asm
        inc cl
        xor ax, ax
        cmp cl, 100d
        jne back
        je lat

delay proc near
        push ax
        push bx
        push cx
        mov cx, 00ffh
ag:     mov bx, 0ffffh
ag1:    nop
        dec bx
        jnz ag1
        dec cx
        jnz ag
        pop cx
        pop bx
        pop ax
        ret
delay endp

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