DECIMAL UP COUNTER

```
. MODEL SMALL

. CODE
    MOV CL, 00
    MOV AH, 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
    INC CL
    XOR AX, AX
    CMP CL, 100D
    JNE BACK
    JE LAST
```

```asm
DELAY   PROC NEAR
        PUSH AX
        PUSH BX
        PUSH CX
        MOV CX, OFFH
AG:
        MOV BX, OFFFH
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
```