

S.R. POOJA  
IBM19C535

## BCD 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

AAA ; 0000

ADD AX, 3030H ; 3030

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

DELAY PROC NEAR

PUSH AX

PUSH BX

PUSH CX

MOV CX, 00FFH

AG: MOV BX, 0FFH

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AG1: NOP

DEC BX

JNZ AG1

DEC CX

JNZ AG1

DELAY PROC | NEAR POP CX

~~PUSH~~ AX POP BX

~~PUSH~~ BX POP AX

~~PUSH~~ CX RET

DELAY ENDP

LAST: MOV AH, 4CH

INT 21H

END

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C:\MASM\BINCOUNT.ASM

.MODEL SMALL

.CODE

MOV CL,00

; 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 ; 0000

ADD AX,3030H ;3030

MOV CH,AL

MOV DL,AH

MOV AH,02H

INT 21H

MOV DL,CH

F1=Help

Line:1

Col:1

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C:\MASM\BINCOUNT.ASM

```
MOV AH,02H
INT 21H
CALL DELAY
INC CL
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:NOP
    DEC BX
    JNZ AG1
    DEC CX
    JNZ AG
```

F1=Help

Line:44 Col:1



```
    DEC BX
    JNZ AG1
    DEC CX
    JNZ AG
    POP CX
    POP BX
    POP AX
    RET
    DELAY ENDP
LAST:MOV AH,4CH
INT 21H
END
```

F1=Help

Line:53 Col:1