

LAB-8

DECIMAL-UP COUNTING PROGRAM

• MODEL SMALL

• CODE

MOV CL, 00

MOV AH, 00H

MOV AL, 03H

INT 10H

BACK: MOV BH, 00H

MOV DA, 00H

MOV DZ, 00H

MOV AH, 02H

INT 10H

; Display only single
; character whose ASCII

MOV AL, CL

; PC register

ADD AL, 00H

AAM

ADD AX, 3030H

MOV CH, AL

MOV DZ, AH

MOV AH, 02H

INT 21H

MOV DZ, CH

MOV AH, 02H

INT 21H

CALL DELAY

INC CL

XOR AX, AX

CMP CL, 1000

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

POP CX

POP BX

POP AX

RET

DELAY ENOP

LAST: MOV AH, 4CH

INT 21H

END



DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program

99

C:\MASM>