

18/11/2020

LAB PROGRAM - 8

Q. Decimal Up Counter

A. • 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

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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