

(14)

Name : Sakshi. P. Khandoba  
USN : 18M19CS139  
Section : 3C  
Batch : 2

papergrid

Date: 26/11/20

## DECIMAL UP-COUNTER

.MODEL SMALL

.CODE

MOV CL,00 ; 00

MOV AH,00H

MOV AL,03H

INT 21H

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

MOV AH,02H

INT 21H

CALL DELAY

INC CL

XOR AX,AX

CMP CL,100D

JNE BACK

JE LAST

(15)

papergrid

Date: / /

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

<sup>DELAY</sup>  
~~DISPLAY~~ ENDP

LAST: MOV AH, 4CH

INT 21H

END