

Ahsanullah University of Science and Technology (AUST) Department of Computer Science and Engineering

LAB REPORT

Course No : CSE3108

Course Title : Microprocessors Sessional

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Submitted To : Ms. Tahsin Aziz & Ms. Tanjila Broti

Submitted By:

Group : B1

Name : Anik Hassan Nibir

ID: 190104054

Section : B

g. Show the desined output in seven-segment and LED Display:

Answer:

SSEG SEGMENT STACK STACK

DW 50 DWP (?)

SSEG ENDS

DSEG SEGMENT 'DATA'

CHARS OB 000001116, 011111006, 010011116, 011101106, 010110116

LEDS DB 00000100b, 00001100b, 00001110b, 00000100b,00000100b

DSEG ENDS

CSEG SEGMENT CODE'

MAIN PROC FAR

PUSH DS

MOV AX,0

push Ax

MOV AX, DSEG

MOV DS, AX

MICV ES, AX

XOR SI, SI

MOV BX, 5

NEXT:

Mov Dx, 2030h

ADD DX. SI

MOV AL, CHARS [SI]

OUT DX, AL

MOV DX, 2070h

MOV AL, LEDS [SI]

out Dx, AL

; for delay

MOV CX, OIFFH

Lo:

LOOP LO

INC SI

DEC BX

CMP BX,0

JG NEXT

RET

MAIN ENDP

CSEG ENDS

END MAIN