

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

LAB REPORT

Course No : CSE3108

Course Title : Microprocessors Sessional

Assignment No : 02

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Section : B

G. Show the desined output in LED Display:
$$G(ON) - R2(ON) - Y(ON) - R2 + Y(OFF)$$

Answer:

SSEG SEGMENT STACK 'STACK'

DW 50 DUP(?)

SSEG ENDS

DSEG SEGMENT DATA

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

CSEG SEGMENT 'CODE'

MAJN PROC FAR

PWSH DS

MOV AX, O

PUSH AX

MOV AX, DSEG

MOV DS, AX

MOV ES, AX

MOV DX, 2070h

YOR SI, SI

MOV BX, 4

NEXT:

Mov AL, LEDs [SI]

OUT D'X, AL

; for delay

Mov Cx, OIFFH

LO:

LOOP LO

INC SI

DEC BX

CMIP BX, 0

JG NEXT

RET

MAIN ENDP

CSEG ENDS

END MAIN