



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE3108
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Question :

R2 + Y (ON) - G (ON) - Y (OFF) - R1 (ON)

Answer :

DSEG SEGMENT 'DATA'

DSEG ENDS

SSEG SEGMENT STACK 'STACK'

DW 100h DUP (?)

SSEG ENDS

CSEG SEGMENT 'CODE'

START PROC FAR

PUSH DS

MOV AX, 0

PUSH AX

MOV AX, DSEG

MOV DS, AX

MOV ES, AX

MOV DX, 2070h

MOV AL, 01h

MAINLOOP :

R2 ← Y (ON) :

MOV AL, 0AH

OUT DX, AL

MOV CX, 0100H

L0 : LOOP L0

G₁ (ON) :

MOV AL, 0EH

OUT DX, AL

MOV CX, 0100H

L1 : LOOP L1

Y (OFF) :

MOV AL, 0CH

OUT DX, AL

MOV CX, 0100H

L2 : LOOP L2

R1 (0N) :

MOV AL, 0DH

OUT DX, AL

MOV CX, 0100H

L3 : LOOP L3

JMP MAINLOOP

RET

START ENDP

CSEG ENDS

END START