



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE3108
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Assignment No : 01

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Section : A

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DSEG SEGMENT 'DATA'

NUMBERS DB 00111111b, 01110110b, 00111111b,
01110111b, 00000110b, 00000000b,
00000000b, 00000000b

DSEG ENDS

SSSEG SEGMENT STACK 'STACK'

DW 100H DUP(?)

SSSEG ENDS

CSEG SEGMENT 'CODE'

START PROC FAR

; STORE RETURN ADDRESS to OS:

PUSH DS

MOV AX, 0

PUSH AX

; set segment registers:

MOV AX, DS EG

MOV DS, AX

MOV ES, AX

MOV DX, 2030h ; first seven segment
Display

MOV SI, 0

MOV CX, 8

NEXT:

MOV AL, NUMBERS[SI]

OUT DX, AL

INC SI

INC DX

LOOP NEXT

; return to OS:

RET

START ENDP

CSEG ENDS

END START ; set entry point.

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