



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE 3108
Course Title : Microprocessors Sessional
Assignment No : 04

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Submitted By-

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Section : A

Question:- R6-R1-R4

Answer:-

```
Dots DB 01000000B, 40H, 40H, 40H, 40H
      DB 00000010B, 02H, 02H, 02H, 02H
      DB 00010000B, 10H, 10H, 10H, 10H
```

START PROC FAR

PUSH DX;

MOV AX, 0

PUSH AX

MOV AX, DSEH

MOV DS, AX

MOV ES, AX

MOV DX, 2000H

MOV BX, 0

· MainLoop:

MOV SI, 0

MOV CX, 5

NEXT:

MOV AL, Dots[DX][SI]

OUT DX, AL

INC SI

INC DX

CMP SI, 5

LOOPNE NEXT

ADD BX, 5

CMP BX, 15

JL MainLoop

RET

START ENDP