



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

CourseNo : CSE3108
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AssignmentNo : 01

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Question: 0 B 5 E 3

Answer:

```
DSEG SEGMENT 'DATA'
NUMBERS DB 00111111b, 01111111b, 01101101b, 01111001b,
           01001111b
```

```
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, 2030H
```

```
    MOV SI, 0
```

```
    MOV CX, 5
```

```
NEXT:
```

```
    MOV AL, NUMBERS[SI]
```

```
    OUT DX, AL
```

```
    INC SI
```

```
    INC DX
```

```
    LOOP NEXT
```

```
    RET
```

```
START ENDP
```

```
CSEG ENDS
```

```
END START
```

		g	f	e	d	c	b	a
0	1	1	0	0	0	0	0	0
B	1	0	0	0	0	0	0	0
5	1	0	0	1	0	0	1	0
E	1	0	0	0	0	1	1	0
3	1	0	1	1	0	0	0	0