



Ahsanullah University of Science & Technology

Department of Computer Science & Engineering

Course No : CSE3108
Course Title : Microprocessor Lab
Report Number : 01
Set Number : 03

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Submitted To : Farzad Ahmed & Junaed Younus Khan

Submitted By-

Group : A1
Name : Mustofa Ahmed
Id : 18.01.04.005
Section : A

Assignment: 01

E30

Answer:

```
L SEGMENT PARA PUBLIC 'CODE'  
ASSUME CS: L  
ORG 1000H  
START:
```

```
    MOV AL,80H  
    OUT 1FH, AL
```

SSD:

```
    MOV AL,086H  
    OUT 19H, AL
```

```
    MOV CX, 0FFFFH  
L1:  
    LOOP L1
```

```
    MOV AL,0B0H  
    OUT 19H, AL
```

```
    MOV CX, 0FFFFH  
L2:  
    LOOP L2
```

```
    MOV AL, 0C0H  
    OUT 19H, AL
```

```
    MOV CX, 0FFFFH  
L3:  
    LOOP L3
```

JMP SSD

L ENDS

END START

Assignment: 02

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

Answer:

L SEGMENT PARA PUBLIC 'CODE'

ASSUME CS: L

ORG 1000H

START:

MOV AL, 80H

OUT 1FH, AL

MOV AL, 0FFH

OUT 19H, AL

LED:

MOV AL, 09H

OUT 1BH, AL

MOV CX,0FFFFH

L1:

LOOP L1

MOV AL,0BH

OUT 1BH, AL

MOV CX,0FFFFH

L2:

LOOP L2

MOV AL,0FH

OUT 1BH, AL

MOV CX, 0FFFFH

L3:

LOOP L3

JMP LED

L ENDS

END START