

## **Assignment No: 01**

### **Assignment Name: Write an assembly code to display 0-9 in Seven Segment Display (SSD)**

#### **Assembly Code:**

```
G13_AS1 SEGMENT PARA PUBLIC 'CODE'
```

```
ASSUME CS:G13_AS1
```

```
ORG 1000H
```

```
START:
```

```
    MOV AL,80H
```

```
    OUT 1FH,AL
```

```
PROGRAM:
```

```
    MOV AL,092H
```

```
    OUT 19H,AL
```

```
    MOV CX,0FFFFH
```

```
L0:LOOP L0
```

```
    MOV AL,08EH
```

```
    OUT 19H,AL
```

```
    MOV CX,0FFFFH
```

```
L1:LOOP L1
```

MOV AL,099H

OUT 19H,AL

MOV CX,0FFFFH

L2:LOOP L2

JMP PROGRAM

G13\_AS1 ENDS

END START