

EXPERIMENT – 7

AIM:- To find Fibonacci Series.

Code-

```
ORG 0000H  
MOV R0,#42H  
MOV A,#08H  
SUBB A,#02H  
MOV R3,A  
MOV A,#00H  
MOV B,#01H  
MOV 40H,#00H  
MOV 41H,#01H  
LOOP:ADD A,B  
MOV @R0,A  
DEC R0  
MOV B,@R0  
INC R0  
INC R0  
DJNZ R3,LOOP  
END
```

INPUT-

MOV A,#08H

OUTPUT-

```
D:0x40: 00 01 01 02 03 05 08 0D |
P:0x5B: 00 00 00 00 00 00 00 00 |
```
