<div align="center">**Exp No: 13) Stepper Motor Interfacing**</div>
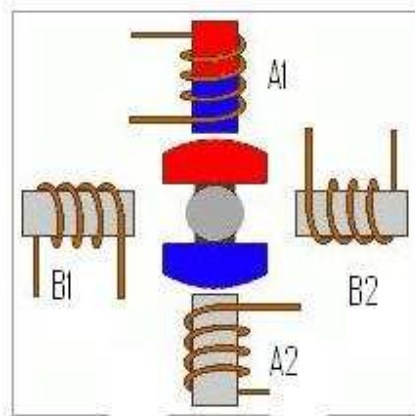
Aim

To interface the stepper motor with 8086 and run it in clockwise and anticlockwise directions.

Data Register address - C0

Program

```
1000   C7 C7 18 10          MOV    DI,1018
1004   C6 C1 04             MOV    CL,04
1007   8A 05                MOV    AL,[DI]
1009   E6 C0                OUT    C0,AL
100B   C7 C2 10 10          MOV    DX,1010
100F   4A                   DEC    DX
1010   75 FD                JNZ    100F
1012   47                   INC    DI
1013   E2 F2                LOOP   1007
1015   E9 E8 FF             JMP    1000
```

Address	For Clockwise Rotation	For Anticlockwise Rotation
1018	08	08
1019	01	02
101A	04	04
101B	02	01

Clock wise						Anticlock wise					
Step	A1	A2	B1	B2		Step	A1	A2	B1	B2	
1	1	0	0	0	8	1	1	0	0	0	8
2	0	0	0	1	1	2	0	0	1	0	2
3	0	1	0	0	4	3	0	1	0	0	4
4	0	0	1	0	2	4	0	0	0	1	1