

```

1: //Creating Delay function
2: void MSDelay(unsigned char Time)
3: {
4:     unsigned char y,z;
5:     for(y=0;y<Time;y++)
6:     {
7:         for(z=0;z<20;z++);
8:     }
9: }
10: void main() {
11:     TRISC=0x00; //set PORTC as output
12:     TRISD=0x00; //set PORTD as output
13:     while(1)
14:     {
15:         portd=0x80;
16:         portc=0xC0;
17:         MSDelay(10);
18:
19:         portd=0x40;
20:         portc=0xC0;
21:         MSDelay(10);
22:
23:         portd=0x20;
24:         portc=0xC0;
25:         MSDelay(10);
26:
27:         portd=0x10;
28:         portc=0xFF;
29:         MSDelay(10);
30:
31:         portd=0x08;
32:         portc=0xFF;
33:         MSDelay(10);
34:
35:         portd=0x04;
36:         portc=0xC0;
37:         MSDelay(10);
38:
39:         portd=0x02;
40:         portc=0xC0;
41:         MSDelay(10);
42:
43:         portd=0x01;
44:         portc=0xC0;
45:         MSDelay(10);
46:     }
47: }

```