

```
1: sbit LED_1 at RC0_BIT;
2: sbit LED_2 at RC1_BIT;
3: sbit LED_3 at RC2_BIT;
4: sbit LED_4 at RC3_BIT;
5: sbit LED_5 at RC4_BIT;
6: sbit LED_6 at RC5_BIT;
7: sbit LED_7 at RC6_BIT;
8: sbit LED_8 at RC7_BIT;
9:
10: void main()
11: {
12:     PORTC = 0;
13:     TRISC = 0;
14:
15:     do
16:     {
17:         LED_1 = 0;
18:         LED_2 = 0;
19:         LED_3 = 0;
20:         LED_4 = 0;
21:         LED_5 = 0;
22:         LED_6 = 0;
23:         LED_7 = 0;
24:         LED_8 = 0;
25:
26:         delay_ms(1000);
27:
28:         LED_1 = 0;
29:         LED_2 = 0;
30:         LED_3 = 0;
31:         LED_4 = 0;
32:         LED_5 = 0;
33:         LED_6 = 0;
34:         LED_7 = 0;
35:         LED_8 = 1;
36:
37:         delay_ms(1000);
38:
39:         LED_1 = 0;
40:         LED_2 = 0;
41:         LED_3 = 0;
42:         LED_4 = 0;
43:         LED_5 = 0;
44:         LED_6 = 0;
45:         LED_7 = 1;
46:         LED_8 = 1;
47:
48:         delay_ms(1000);
49:
50:         LED_1 = 0;
51:         LED_2 = 0;
52:         LED_3 = 0;
53:         LED_4 = 0;
54:         LED_5 = 0;
55:         LED_6 = 1;
56:         LED_7 = 1;
57:         LED_8 = 1;
```

```
58:     LED_8 = 1;
59:
60:     delay_ms(1000);
61:
62:     LED_1 = 0;
63:     LED_2 = 0;
64:     LED_3 = 0;
65:     LED_4 = 0;
66:     LED_5 = 1;
67:     LED_6 = 1;
68:     LED_7 = 1;
69:     LED_8 = 1;
70:
71:     delay_ms(1000);
72:
73:     LED_1 = 0;
74:     LED_2 = 0;
75:     LED_3 = 0;
76:     LED_4 = 1;
77:     LED_5 = 1;
78:     LED_6 = 1;
79:     LED_7 = 1;
80:     LED_8 = 1;
81:
82:     delay_ms(1000);
83:
84:     LED_1 = 0;
85:     LED_2 = 0;
86:     LED_3 = 1;
87:     LED_4 = 1;
88:     LED_5 = 1;
89:     LED_6 = 1;
90:     LED_7 = 1;
91:     LED_8 = 1;
92:
93:     delay_ms(1000);
94:
95:     LED_1 = 0;
96:     LED_2 = 1;
97:     LED_3 = 1;
98:     LED_4 = 1;
99:     LED_5 = 1;
100:    LED_6 = 1;
101:    LED_7 = 1;
102:    LED_8 = 1;
103:
104:    delay_ms(1000);
105:
106:    LED_1 = 1;
107:    LED_2 = 1;
108:    LED_3 = 1;
109:    LED_4 = 1;
110:    LED_5 = 1;
111:    LED_6 = 1;
112:    LED_7 = 1;
113:    LED_8 = 1;
114:
```

```
115:    delay_ms(1000);  
116:    }  
117:  
118:    while(1);  
119: }
```