

```

1  /*-----*/
2  Use :
3  /*-----*/
4  void FCM_Main()
5  {
6
7      // Name: Loop, Type: Loop: While 10
8      while (10)
9      {
10
11         // Name: dip0, Type: Input: C0 -> dip0
12         FCV_DIP0 = GET_PORT_PIN(C,0);
13
14         // Name: Input, Type: Input: C1 -> dip1
15         FCV_DIP1 = GET_PORT_PIN(C,1);
16
17         // Name: Input, Type: Input: C2 -> dip2
18         FCV_DIP2 = GET_PORT_PIN(C,2);
19
20         // Name: Input, Type: Input: C3 -> dip3
21         FCV_DIP3 = GET_PORT_PIN(C,3);
22
23         // Name: Calculation, Type: Calculation:
24         // BCD_1[0] = 0
25         // BCD_1[1] = 1
26         // BCD_1[2] = 2
27         // BCD_1[3] = 3
28         // BCD_1[4] = 4
29         // BCD_1[5] = 5
30         // BCD_1[6] = 6
31         // BCD_1[7] = 7
32         // BCD_1[8] = 8
33         // BCD_1[9] = 9
34         FCV_BCD_1[0] = 0;
35         FCV_BCD_1[1] = 1;
36         FCV_BCD_1[2] = 2;
37         FCV_BCD_1[3] = 3;
38         FCV_BCD_1[4] = 4;
39         FCV_BCD_1[5] = 5;
40         FCV_BCD_1[6] = 6;
41         FCV_BCD_1[7] = 7;
42         FCV_BCD_1[8] = 8;
43         FCV_BCD_1[9] = 9;
44
45         // Name: Switch, Type: Switch: dip0 + 2 * dip1 + 4 * dip2 + 8 * dip3?
46         switch (FCV_DIP0 + 2 * FCV_DIP1 + 4 * FCV_DIP2 + 8 * FCV_DIP3)
47         {
48             case 1:
49             {
50                 // Name: Calculation, Type: Calculation:

```

```

51                 // set = 1
52                 FCV_SET = 1;
53
54                 break;
55             }
56             case 2:
57             {
58                 // Name: Calculation, Type: Calculation:
59                 // set = 2
60                 FCV_SET = 2;
61
62                 break;
63             }
64             case 3:
65             {
66                 // Name: Calculation, Type: Calculation:
67                 // set = 3
68                 FCV_SET = 3;
69
70                 break;
71             }
72             case 4:
73             {
74                 // Name: Calculation, Type: Calculation:
75                 // set = 4
76                 FCV_SET = 4;
77
78                 break;
79             }
80             case 5:
81             {
82                 // Name: Calculation, Type: Calculation:
83                 // set = 5
84                 FCV_SET = 5;
85
86                 break;
87             }
88             case 6:
89             {
90                 // Name: Calculation, Type: Calculation:
91                 // set = 6
92                 FCV_SET = 6;
93
94                 break;
95             }
96             case 7:
97             {
98                 // Name: Calculation, Type: Calculation:
99                 // set = 7
100                FCV_SET = 7;

```

```
101
102     break;
103     }
104     case 8:
105     {
106         // Name: Calculation, Type: Calculation:
107         // set = 8
108         FCV_SET = 8;
109
110         break;
111     }
112     case 9:
113     {
114         // Name: Calculation, Type: Calculation:
115         // set = 9
116         FCV_SET = 9;
117
118         break;
119     }
120     default:
121     {
122         // Name: Calculation, Type: Calculation:
123         // set = 0
124         FCV_SET = 0;
125
126     }
127 }
128
129 // Name: Output, Type: Output: set -> PORTB
130 SET_PORT(B, (FCV_SET));
131
132 // Name: Call Component Macro, Type: Call Component Macro: LED_7Seg1::ShowDigit(set, 0)
133 FCD_0d511_LED_7Seg1_ShowDigit(FCV_SET, 0);
134
135 // Name: Delay, Type: Delay: 500 ms
136 FCI_DELAYINT_MS(500);
137
138 }
139 }
140 }
141 }
142 }
```