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1 //Name:D.GuruCharanReddy
2 //Usn:NNM24EE518
3 //Expt No:5a
4 //Date:02/07/25
5 #include <MicroLABlet.h>
6 #define declare_output_port 0x00
7 #define enable 1
8 #define disable 0
9 sbit buzzer_control=P3^5;
10 sbit disp1_control=P3^6;
11 sbit disp2_control=P3^7;
12 char array_counter,length,fps,higher_nibble,lower_nibble;
13 void main(void)
14 {
15     unsigned char
hexcode_digit[]={0x3F,0x06,0x5B,0x4F,0x66,0x6D,0x7D,0x07,0x7F,0x6F,0x77,0x7F,0x39,0x3F,0x79,0x71};
16     P1=declare_output_port;
17     disp1_control=0;
18     disp2_control=0;
19     buzzer_control =0;
20     buzzer_control =1;
21     while(1)
22     {
23         for(array_counter=0;array_counter<=10;array_counter++)
24         {
25             higher_nibble=array_counter/10;
26             lower_nibble=array_counter%10;
27             for(fps=0;fps<=50;fps++)
28             {
29                 disp1_control=enable;
30                 disp2_control=disable;
31                 P1= hexcode_digit[higher_nibble];
32                 delay(10);
33                 disp1_control=disable;
34                 disp2_control=enable;
35                 P1= hexcode_digit[lower_nibble];
36                 delay(10);
37             }
38         }
39     }
40 }
```