

```
1 /**
2 ==  打釘槍控制程式  ==
3     MCU:PIC16F1823
4 */
5 #include  "mcc_generated_files/mcc.h"
6 #include  "user.h"
7 #include  "DataTypes.h"
8 //==  Main application  ==
9 void main(void)
10 {
11     SYSTEM_Initialize();           // initialize the device
12     if(nTO && nPD)
13         InitApp();
14     INTERRUPT_GlobalInterruptEnable(); // Enable the Global Interrupts
15     INTERRUPT_PeripheralInterruptEnable(); // Enable the Peripheral Interrupts
16     if(RA3==0)
17     {
18         WPUA = 0x00;               // 關閉全部Push-High電阻
19         WPUC = 0x00;
20         OPTION_REGbits.nWPUEN = 1;
21     }
22     while (1)
23     {
24         if(timebase_f==1)          // 1mS end?
25         {
26             timebase_f=0;
27             CLRWDT();               // clear watch-dog timer
28             input_sample();         // 輸入取樣
29             motor();                // 馬達控制
30             PowerDown_time();       // 電力下降計時
31         }
32     }
33 }
```