LEDs.s43

```
1 #include "msp430g2553.h" // #include <msp430.h> - can be used as well
2
3 ;The code Blinks the LEDs array from P1 or P2 (infinite loop)
4 ;------------------------------------------------------------
5           ORG      0C000h                       ; Program Reset
6 ;------------------------------------------------------------
7 RESET     mov.w    #03FFh,SP                    ; Initialize stackpointer
8 StopWDT   mov.w    #WDTPW+WDTHOLD,&WDTCTL        ; Stop WDT
9 SetupP1   bis.b    #0xFF,&P1DIR                  ; P1 output
10          mov.b    #0x00,&P1OUT
11 SetupP2  bis.b    #0xFF,&P2DIR                  ; P2 output
12          bic.b    #0xC0,&P2SEL                  ; only for "msp430g2553"
13                                                 ;for P2.6,P2.7 to be GPIO
14          mov.b    #0x00,&P2OUT
15                                                 ;
16 Mainloop xor.b    #0xFF,&P1OUT                  ; Toggle P1
17          xor.b    #0xFF,&P2OUT                  ; Toggle P2
18 Wait     mov.w    #0xFFFF,R15                   ; Delay to R15
19 L1       dec.w    R15                           ; Decrement R15
20          jnz      L1                            ; Delay over?
21          jmp      Mainloop                      ; Again
22                                                 ;
23 ;------------------------------------------------------------
24 ;         Interrupt Vectors
25 ;------------------------------------------------------------
26          ORG      0FFFEh                        ; MSP430 RESET Vector
27          DW       RESET                         ;
28          END
```

Difference No.1

Difference No.2

Difference No.3

Difference No.4