实验5-任务3

1. 会导致重复进入中断程序，无法正常运行主程序；在中断子程结束后，运行主程序时因为没有清中断标志，又会再进入中断程序。
2. 可以，中断引脚都是可以自行置设

**#include** "msp430.h"

**void** **main** ( **void** )

{ WDTCTL = WDTPW + WDTHOLD;

\_DINT();

P2SEL |=BIT3;

P2SEL2 &=~BIT3;

P2DIR &=~BIT3;

P1SEL |=BIT0;

P1SEL2 &=~(BIT0+BIT3);

P1DIR |=BIT0;

P1SEL &=~BIT3;

P1DIR &=~BIT3;

P2SEL &=~BIT3;

P2SEL2&=~BIT3;

P2DIR |=BIT3;

P2OUT |=BIT3;

BCSCTL1 |= DIVA0+DIVA1;

BCSCTL2 |=SELM1;

P1IES &=~BIT3;

P1IFG &=~BIT3;

P1IE |=BIT3;

\_EINT();

**while** (1) { };

}

**unsigned** **int** num\_clk=0;

**#pragma** vector=PORT1\_VECTOR

**\_\_interrupt** **void** **port\_ISR**( )

{ num\_clk++;

**if** (num\_clk==2048)

{ P2OUT^=BIT3;

num\_clk=0;

}

P1IFG &=~BIT3;

}