```c
include <pic18f4550.h>

#define RELAY_PIN LATAbits.LATA4

void interrupt extint_isr(void)
{
    unsigned int i;
    if(INT1F)
    {
        INT1F = 0;
        INT1IE = 0;
        RELAY_PIN = ~RELAY_PIN;
        for(i=0; i<10000; i++);     //small delay for debouncing
        INT1IE = 1;
    }
}

int main()
{
    ADCON1 = 0x0F;         //set pins as Digital
    TRISAbits.TRISA4 = 0;  //set relay pin RA4 as output
    TRISBbits.TRISB1 = 1;  //Interrupt pin as input
    RELAY_PIN = 1;

    INT1IE  =  1;               //Enable external interrupt INT1
    INTEDG1 =  0;                //Interrupt on falling edge
    GIE    =  1;               // Enable global interrupt

    while(1);
}
```