```c
  1    #include "stm32f10x.h"
  2
  3    int i,j;
  4    int kontrol=0;
  5    int main(){
  6
  7      //--------------------------------------BASLANGIC----------------------------------------
  8      //Butona her basip çekildiginde ledi 5 kez yakip sondüren program
  9
 10      RCC ->APB2ENR |= (1<<4);  //PortC yi aktif ediyoruz
 11      //LED
 12      GPIOC->CRH &= ~(0xf<<20); //13. pin için [20,23]4 biti sifirladik
 13      GPIOC->CRH |= (1<<21);    //21. biti 1 yaptik ve output yaptik
 14      //BUTTON
 15      GPIOC->CRH &= ~(0xf<<24); //14. pin için [24,27]4 biti sifirladik
 16      GPIOC->CRH |= (1<<27);    //25. biti 1 yaptik ve input(pullup/pulldown) yaptik
 17      GPIOC->ODR |= (1<<14);    //pullup
 18      GPIOC->ODR |= (1<<13);    //led söner
 19
 20
 21      while(1){
 22        while(GPIOC->IDR & (1<<14)){  }      //Input 1 iken bekleme
 23        while(!(GPIOC->IDR & (1<<14))){   }  //Input 0 iken bekleme
 24        for(i=0;i<5;i++){                    //Sonrasinda 5kez ledi yakip söndürme
 25          GPIOC->ODR&=~(1<<13);
 26          for(j=0;j<5000000;j++){    }
 27          GPIOC->ODR |= (1<<13);
 28          for(j=0;j<5000000;j++){    }
 29        }
 30      }
 31      //-------------------------------------------BITIS---------------------------------------
 32
 33      //--------------------------------------BASLANGIC----------------------------------------
 34      //Butona her basip çekildiginde ledi 5 kez yakip sondüren program (interrupt ile)
 35
 36      RCC ->APB2ENR |= (1<<4) | 1;          //PortC ve AFIO etkinlestirdik
 37
 38      GPIOC->CRH &= ~(0xf<<20);
 39      GPIOC->CRH |= (1<<21);
 40
 41      GPIOC->CRH &= ~(0xf<<24);
 42      GPIOC->CRH |= (1<<27);
 43      GPIOC->ODR |= (1<<14);
 44      GPIOC->ODR |= (1<<13);
 45
 46      AFIO->EXTICR[3] |= (1<<9);  //PortC 14.pin interrupt girisi olarak ayarladik
 47      EXTI->IMR |= (1<<14);
 48      EXTI->RTSR |= (1<<14);        //Yükselen kenar tetikleyecek
 49      NVIC->ISER[1] |= (1<<8);     //Interrupt fonksiyonu devreye alinir
 50
 51      SysTick->LOAD = 200*(72000000/8000);  //1 saniye
 52
 53
 54      while(1) {   }
 55      //-------------------------------------------BITIS---------------------------------------
 56    }
 57
 58    void EXTI15_10_IRQHandler(){
 59      if(EXTI->PR & (1<<14)){
 60        EXTI->PR |=(1<<14);
 61
 62        SysTick->CTRL = 3;
 63      }
 64    }
 65
 66    void SysTick_Handler(){
 67      GPIOC->ODR ^=(1<<13);
 68      if(kontrol++>10){
 69        SysTick->CTRL=0;
 70        kontrol=0;
 71      }
 72    }
 73
 74
```