

```
#include "led.h"
```

```
void delay(uint32_t delay){while (delay--){}}
```

```
void led_init(void){
```

```
    RCC->APB2ENR |= RCC_APB2ENR_IOPAEN; //Enable GPIOA clock
```

```
    GPIOA->CRL |= GPIO_CRL_MODE7_0 | GPIO_CRL_MODE7_1;    // Third Led  PA7
```

```
    GPIOA->CRL &= ~GPIO_CRL_CNF7_0 &~ GPIO_CRL_CNF7_1;
```

```
    GPIOA->CRL |= GPIO_CRL_MODE5_0 | GPIO_CRL_MODE5_1;    // fOURTH Led
```

```
    PA5
```

```
    GPIOA->CRL &= ~GPIO_CRL_CNF5_0 &~ GPIO_CRL_CNF5_1;
```

```
}
```

```
void red_on(void){GPIOA->ODR |= GPIO_ODR_ODR7;delay(1800);}
```

```
void green_on(void){GPIOA->ODR |= GPIO_ODR_ODR5;delay(1800);}
```

```
void red_off(void){GPIOA->ODR &= (uint32_t) ~GPIO_ODR_ODR7;delay(1800);}
```

```
void green_off(void){GPIOA->ODR &= (uint32_t) ~GPIO_ODR_ODR5;delay(1800);}
```