```h
#ifndef LED_H
#define LED_H

#include <Arduino.h>

class Led {

  private:
    byte pin;

  public:
    // Setup pin LED and call init()
    Led(byte pin);

    // Setup the pin led as OUTPUT
    // and power off the LED - default state
    void init();

    // Power on the LED
    void on();

    // Power off the LED
    void off();
};

#endif
```


.h

```cpp
#include "Led.h"

Led::Led(byte pin) {
  this->pin = pin;
  init();
}

void Led::init() {
  pinMode(pin, OUTPUT);
  off();
}

void Led::on() {
  digitalWrite(pin, HIGH);
}

void Led::off() {
  digitalWrite(pin, LOW);
}
```

CPP

```ino
#include <Led.h>

// Use the built-in LED
#define LED_PIN 13

// Create a Led object
// This will set the pin to OUTPUT
Led led(LED_PIN);

void setup() { }

void loop() {
    // Power on the LED
    led.on();
    delay(1000);
    // Power off the LED
    led.off();
    delay(1000);
}
```


.ino