

# SIMPLE LED LIBRARY

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## Led.h

```
#ifndef LED_H
#define LED_H
#include <Arduino.h>
class Led {
private:
    byte tmpPin;
public:
    Led(byte pin);
    void on();
    void off();
};
#endif
```

## Led.cpp

```
#include "Led.h"
Led::Led(byte pin) {
    tmpPin = pin;
    pinMode(tmpPin, OUTPUT);
    off();
}
void Led::on() {
    digitalWrite(tmpPin, HIGH);
}
void Led::off() {
    digitalWrite(tmpPin, LOW);
}
```

## Sample Sketch using Led Library (Arduino IDE)

```
#include <Led.h>
Led led1 = Led(13);
void setup(){}
void loop() {
    led1.on();
    delay(1000);
    led1.off();
    delay(1000);
}
```

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## Sample Sketch using Led Library (TinkerCAD)

<https://www.tinkercad.com/things/7TTbooBFtm4>

// Led.h file

```
class Led {  
  private:  
    byte tmpPin;  
  public:  
    Led(byte pin);  
    void on();  
    void off();  
};
```

//Led.cpp file

```
Led::Led(byte pin) {  
  tmpPin = pin;  
  pinMode(tmpPin, OUTPUT);  
  off();  
}  
void Led::on() {  
  digitalWrite(tmpPin, HIGH);  
}  
void Led::off() {  
  digitalWrite(tmpPin, LOW);  
}
```

//Arduino sketch file

```
Led led1 = Led(13);  
void setup(){}  
void loop() {  
  led1.on();  
  delay(1000);  
  led1.off();  
  delay(1000);  
}
```

