New_Lib_Example | LED_Controls.h | LED_controls.cpp

```cpp
1  #include "LED_Controls.h"
2
3  LED_Controls LED1(LED_BUILTIN, 300);
4  LED_Controls LED2(12, 30);
5
6  void setup() {
7    Serial.begin(115200);
8  }
9
10 void loop() {
11   LED1.ON();
12   LED1.OFF();
13   LED2.ON();
14   LED2.OFF();
15 }
```

New_Lib_Example | **LED_Controls.h**

```cpp
1  #ifndef LED_Controls_H
2  #define LED_Controls_H
3  #include "arduino.h"
4
5  class LED_Controls {
6    public:
7      LED_Controls(int pin, int delay);
8      void ON();
9      void OFF();
10     int _pin;
11     int _delay;
12 };
13
14 #endif
```

New_Lib_Example | LED_Controls.h | **LED_controls.cpp**

```cpp
1  #include "LED_Controls.h"
2
3  LED_Controls::LED_Controls(int pin,  int dalay){
4    pinMode(pin, OUTPUT);
5    _pin   = pin;
6    _delay = delay;
7  }
8
9  void LED_Controls::ON(){
10   digitalWrite(_pin,HIGH);
11   delay(_delay);
12 }
13
14 void LED_Controls::OFF(){
15   digitalWrite(_pin,LOW);
16   delay(_delay);
17 }
18
19
```