



VSD\_Monitoring\_System > src > main.cpp > ...

```
13 void setup() {  
16     if (!display.begin(SSD1306_SWITCHCAPVCC, 0x3C)) {  
18         for (;;) ;  
19     }  
20     display.clearDisplay();  
21     display.setTextSize(1);  
22     display.setTextColor(WHITE);  
23     display.setCursor(10, 10);  
24     display.println("Temp & Light Monitor");  
25     display.display();  
26     delay(2000);  
27 }  
28  
29 void loop() {  
30     float temperature = analogRead(tempPin) * (5.0 / 1023.0) * 100.0;  
31     int lightLevel = analogRead(ldrPin);  
32  
33     Serial.print("Temperature: ");  
34     Serial.print(temperature);  
35     Serial.print(" C, Light Level: ");  
36     Serial.println(lightLevel);  
37  
38     display.clearDisplay();  
39     display.setTextSize(1);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

#### Dependency Graph

```
|-- Adafruit GFX Library @ 1.12.0  
|-- Adafruit SSD1306 @ 2.5.13  
|-- Wire @ 1.0
```

Building in release mode

Checking size .platformio\build\_squadron\firmware.elf

Advanced Memory Usage is available via "PlatformIO Home > Project Inspect"

RAM: [=== ] 29.5% (used 605 bytes from 2048 bytes)

Flash: [===== ] 60.0% (used 18446 bytes from 30720 bytes)

===== [SUCCESS] Took 2.18 seconds =====

Terminal will be reused by tasks, press any key to close it.

Ln 47, Col 1 Spaces: 2 UTF-8 CRLF {} C++



Search



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