

Day 1: Introduction to IoT

Setup Development Environment

- [Install Arduino IDE](#), for more information see the [Official documentation](#)
 - [Installing ESP8266 NodeMCU Board in Arduino IDE 2.0](#)
- [How to install CH340 driver](#)

Hardware Review

- Dev Board: Wemos D1 Mini
- Microcontroller: ESP8266 12-E Chip [ESP8266 hardware review](#)

Coding Warm-up

Basic blink example:

[Blink.ino](#)

```
void setup() {  
  // initialize digital pin LED_BUILTIN as an output.  
  pinMode(LED_BUILTIN, OUTPUT);  
}  
  
// the loop function runs over and over again forever  
void loop() {  
  digitalWrite(LED_BUILTIN, HIGH); // turn the LED on (HIGH is the  
  voltage level)  
  delay(1000); // wait for a second  
  digitalWrite(LED_BUILTIN, LOW); // turn the LED off by making the  
  voltage LOW  
  delay(1000); // wait for a second  
}
```

Temperature reading example:

[Temp.ino](#)

```
void setup() {  
}  
  
void loop(){  
}
```

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Last update: **2023/08/25 02:00**

