

LAB 1: INTRODUCTION TO EMBEDDED SYSTEMS

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CREDITS

- <https://www.arduino.cc/>
- <https://www.simulide.com/p/home.html>
- <http://simonmonk.org/>

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LAB 3: EXAMPLE FOR ARDUINO PROGRAMMING AND SIMULATION

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REQUIREMENTS

1. Arduino IDE
2. SIMULIDE
3. (Optional) Arduino UNO

EXAMPLE 1: FLICKERING LEDS

sketch_03_01 | Arduino 1.8.13

File Edit Sketch Tools Help



```
// sketch 03-01
```

```
#define LED 13
```

```
void setup() {  
  pinMode(LED, OUTPUT);  
}
```

```
void loop() {  
  digitalWrite(LED, HIGH);  
  delay(500);  
  digitalWrite(LED, LOW);  
  delay(500);  
}
```

EXAMPLE 1: FLICKERING LEDS

