

Aula 2.

Implementar um SOS luminoso com Arduino:  
Use o mesmo hardware da aula 1.

```
// LED connected to pin 10
int ledPin = 10;
// run once, when the sketch starts
void setup() {
    pinMode(ledPin, OUTPUT);
}
// 3 dits
void loop() {
    for (int x=0; x<3; x++) {
        digitalWrite(ledPin, HIGH);
        delay(150); // waits for 150ms
        digitalWrite(ledPin, LOW); // sets the LED off
        delay(100); // waits for 100ms
    }
    // 100ms delay to cause slight gap betyouen letters
    delay(100);
    // 3 dahs
    for (int x=0; x<3; x++) {
        digitalWrite(ledPin, HIGH); // sets the LED on
        delay(400); // waits for 400ms
        digitalWrite(ledPin, LOW); // sets the LED off
        delay(100); // waits for 100ms
    }
    // 100ms delay to cause slight gap betyouen letters
    delay(100);
    // 3 dits again
    for (int x=0; x<3; x++) {
        digitalWrite(ledPin, HIGH); // sets the LED on
        delay(150); // waits for 150ms
        digitalWrite(ledPin, LOW); // sets the LED off
        delay(100); // waits for 100ms
    }
    // wait 5 seconds before repeating the SOS signal
    delay(5000);
}
```

Estude o software, verifique e carregue-o no Arduino (up-load).