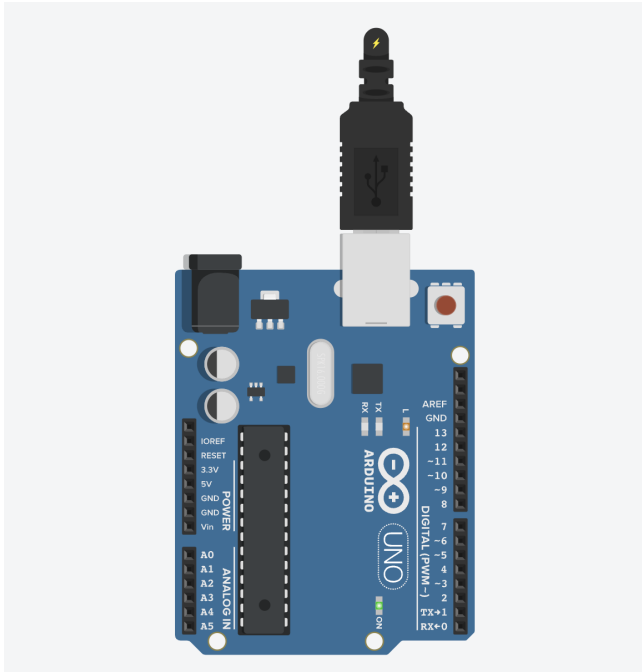


1.Blink Built-In LED

The Circuit: Just plug in your Arduino to your computer. No breadboard for this one.



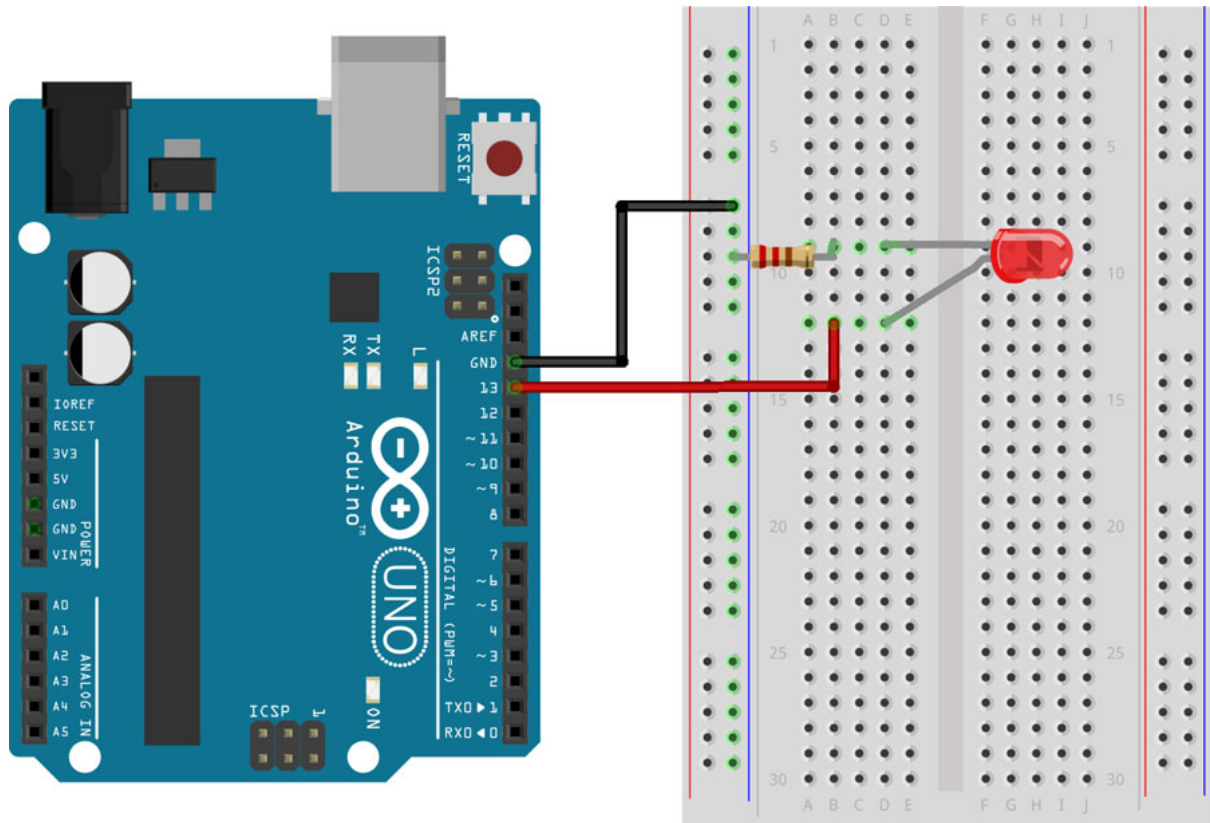
The Code: You can load this code by clicking:
Select File → Examples → 01. Basics → Blink

```
// the setup function runs once when you press reset or power the board
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
}
```

2.Blink External Light

The Circuit:



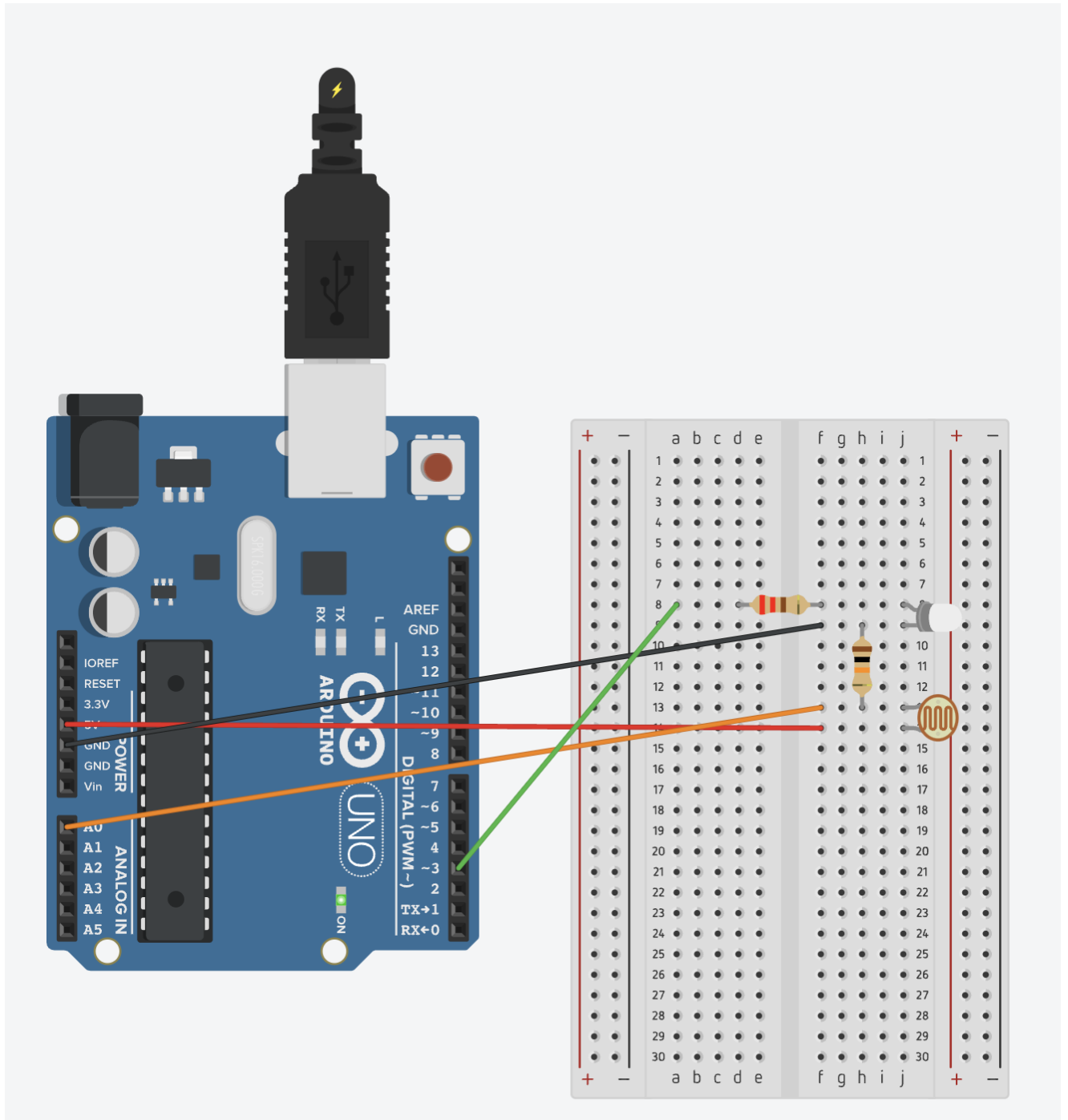
The Code: (Same As Before)

```
// the setup function runs once when you press reset or power the board
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
}
```

3.Night Light

The Circuit



The Code: (You will have to copy and paste this into your IDE)

```
void setup() {  
  Serial.begin(9600);  
  pinMode(3, OUTPUT);  
}  
void loop() {  
  int sensorValue = analogRead(A0);  
  if (sensorValue < 50) { // To change the point at which the light turns on change  
this value.  
    digitalWrite(3, HIGH);  
  }  
  else {  
    digitalWrite(3, LOW);  
    // print out the state of the light sensor:  
    Serial.println(sensorValue);  
    delay(1);      // delay in between reads for stability  
  }  
}
```