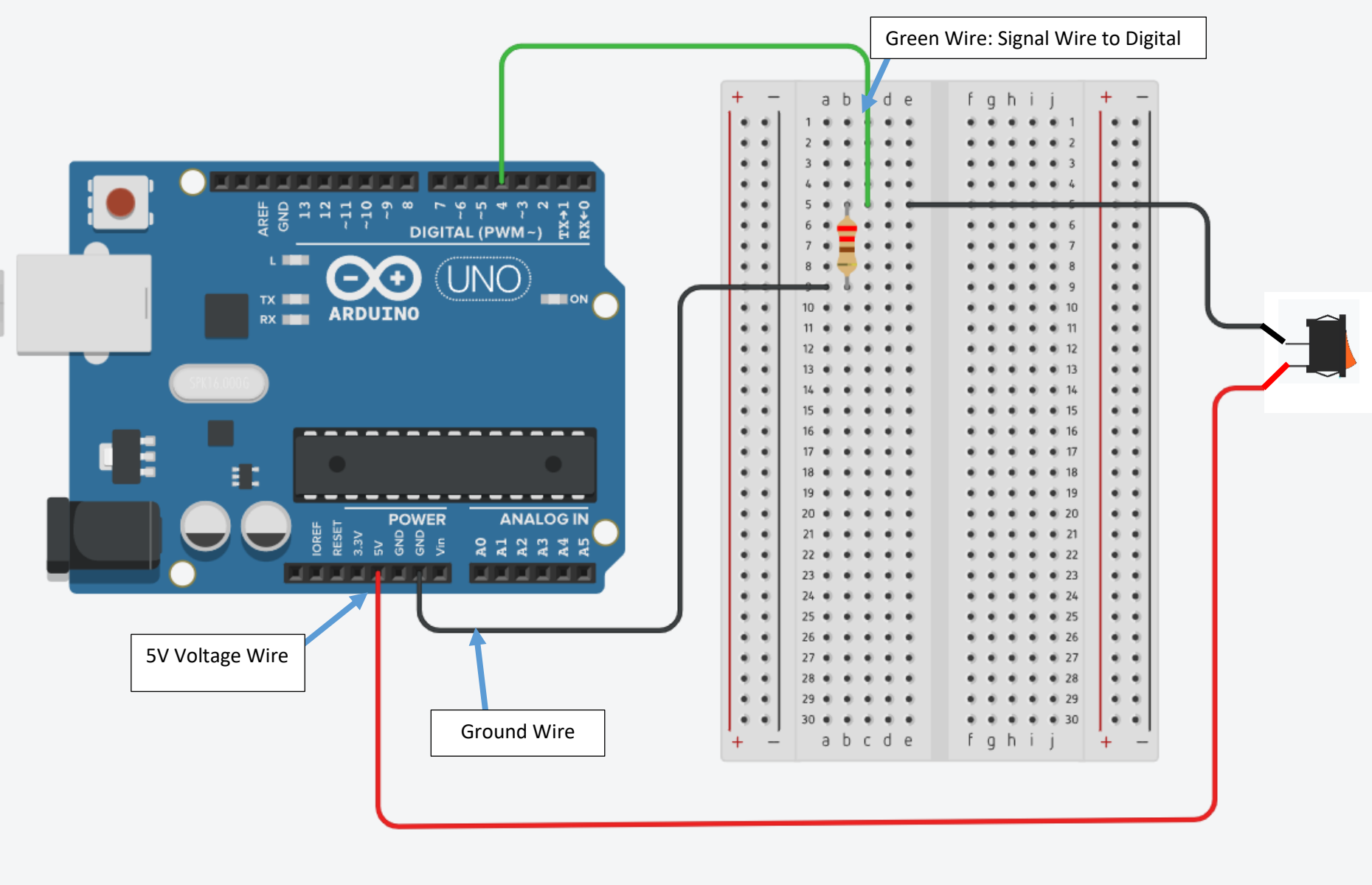


Toggle Switch Wiring Diagram



Toggle Button Code

Program: Turns LED Light On/OFF

```
int ledPin = 13; // choose the pin for the LED

int inPin = 7; // choose the digital input pin (for a pushbutton)

int val = 0; // variable for reading the pin status 0 = LOW, 1 =HIGH

void setup() {
  pinMode(ledPin, OUTPUT); // declare LED as output
  pinMode(inPin, INPUT); // declare pushbutton as input
}

void loop(){
  val = digitalRead(inPin); // read input value
  if (val == HIGH) { // check if the input is HIGH (button released)
    digitalWrite(ledPin, LOW); // turn LED OFF
  } else {
    digitalWrite(ledPin, HIGH); // turn LED ON
  }
}
```