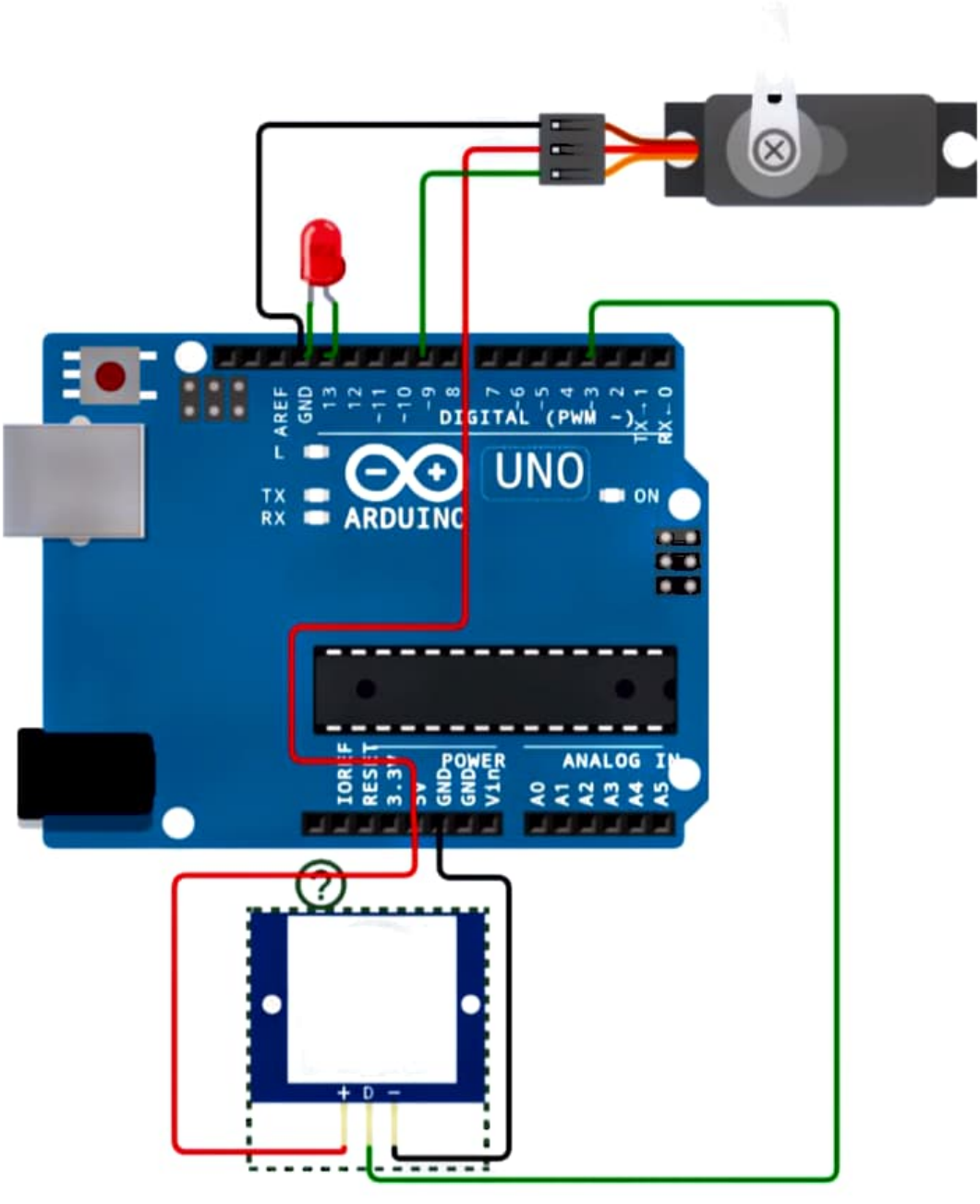
AREF
GND
13
12
~11
~10
~9
8
7
~6
~5
4
~3
2
TX→1
RX←0
DIGITAL (PWM ~)
TX
RX
UNO
ON
POWER
ANALOG IN
A0
A1
A2
A3
A4
A5
+ D −

```
#include <Servo.h>
  int pinled=13;
  int servopin=9;
  Servo Door;

  int pinPin=3;
  int val=0;

  void setup()
  {
    pinMode(pinPin,INPUT);
    pinMode(pinled,OUTPUT);
    Door.attach(servopin);
    Door.write(90);
  }

  void loop()
  {
    val=digitalRead(pinPin);
    if(val==HIGH)
    {
      Door.write(0);
      digitalWrite(pinled,HIGH);
    }
    else
    {
      Door.write(90);
      digitalWrite(pinled,LOW);
    }
  }

```