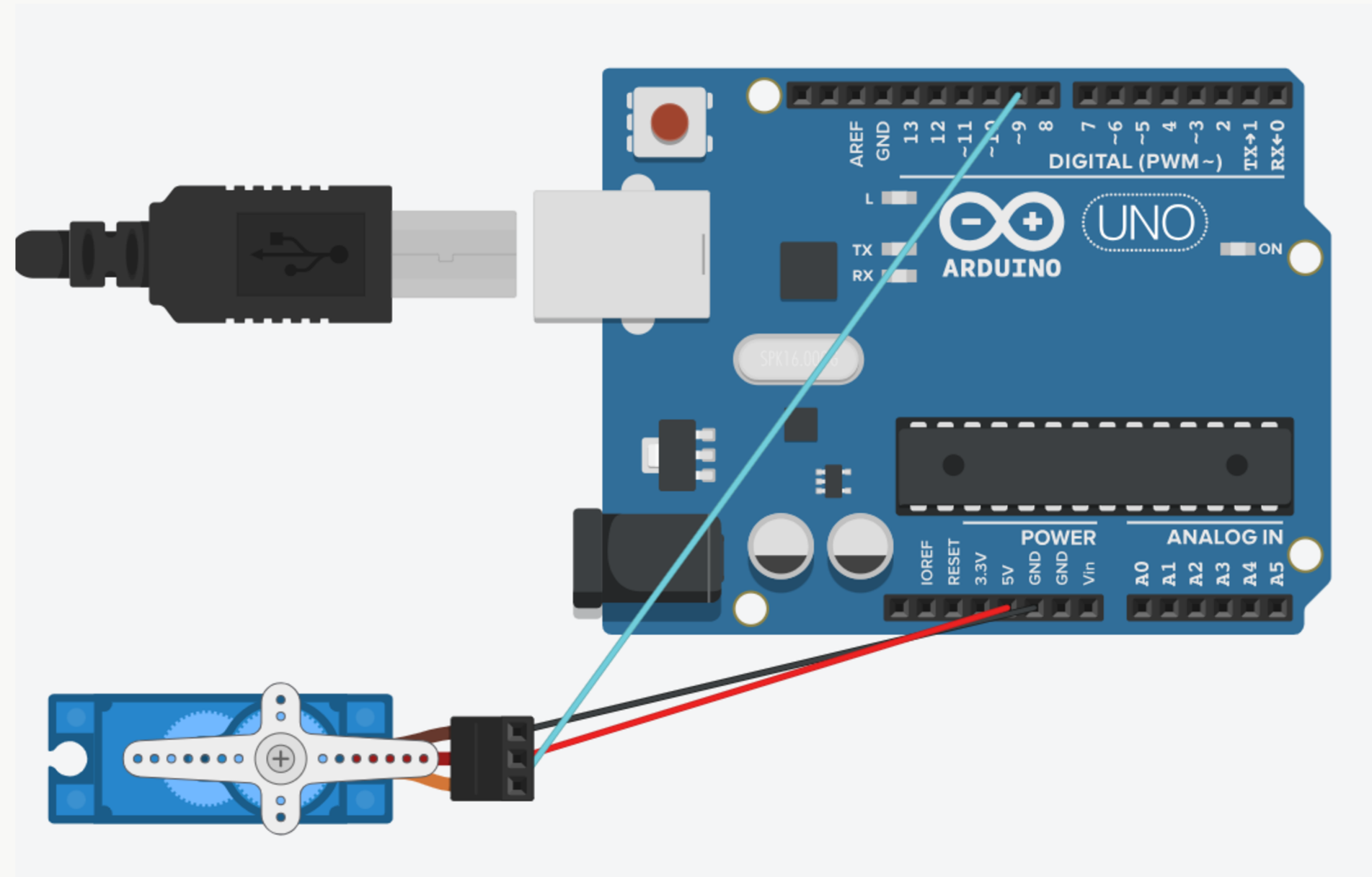


# Arduino Experiment 3: Servo motor



# WHAT IS SERVO MOTOR?

- **A servo motor is a small, powerful motor . It is commonly used in robotics, automation systems, and remote-controlled devices.**

# • **MATERIALS NEEDED:**

- **Arduino board (e.g., Arduino Uno)**
- **Servo motor**
- **Jumper wires**
- **Breadboard (optional)**



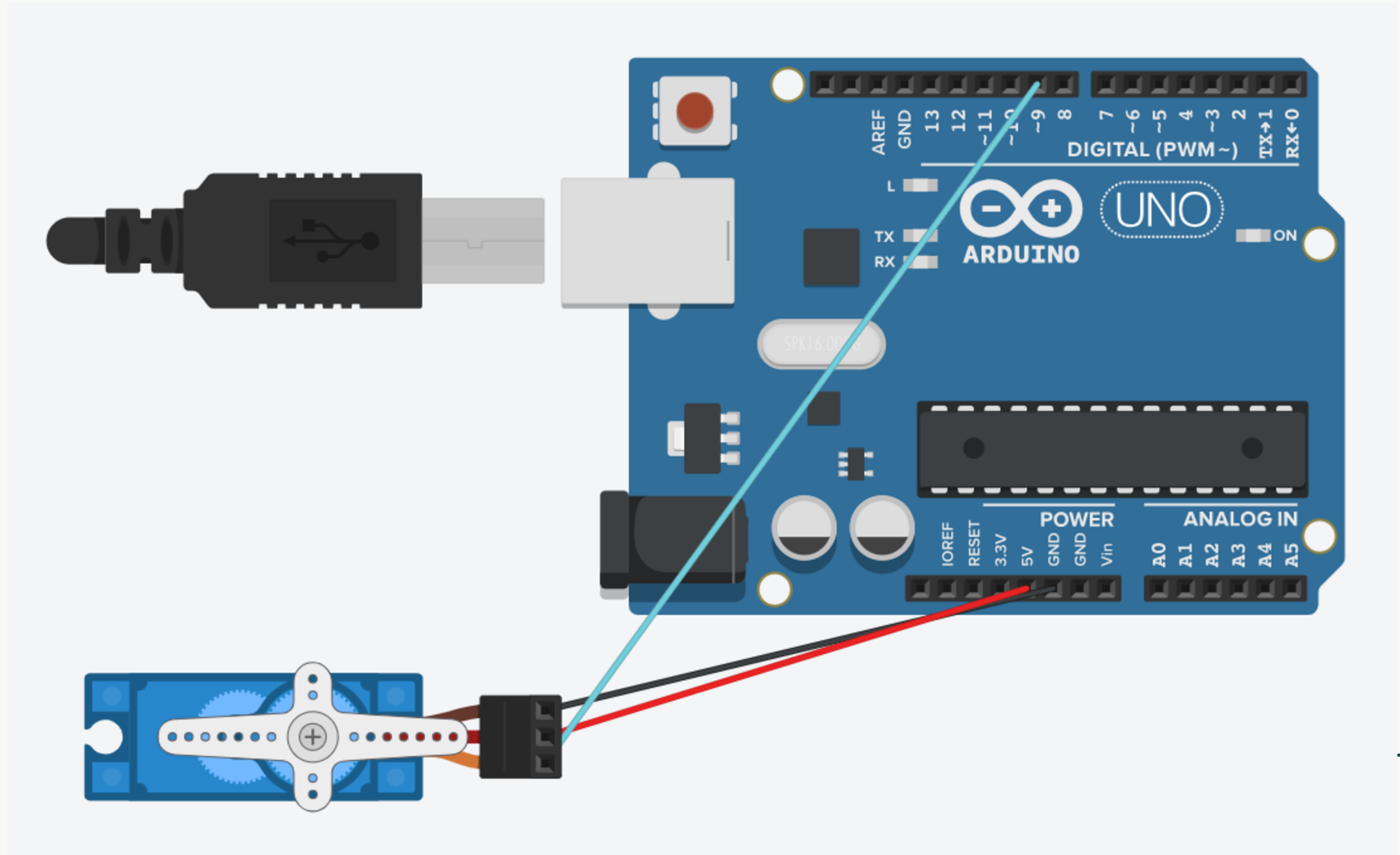
# • **HOW SERVO MOTOR WORKS WITH ARDUINO"**

**A servo motor has three pins:**

- **Power (VCC):** Connect this to the 5V pin of the Arduino.
- **Ground (GND):** Connect this to the ground (GND) on the Arduino.
- **Control (Signal):** This connects to one of the pins on the Arduino (e.g., pin 9, pin 10).



# THE CIRCUIT



# CODE PART

```
void setup()
```

```
{  
  servo.attach(9);  
}
```

```
void loop()
```

```
{  
  servo.write(180);  
  delay(1000);  
}
```



**you need to include  
<servo.h> library.**

