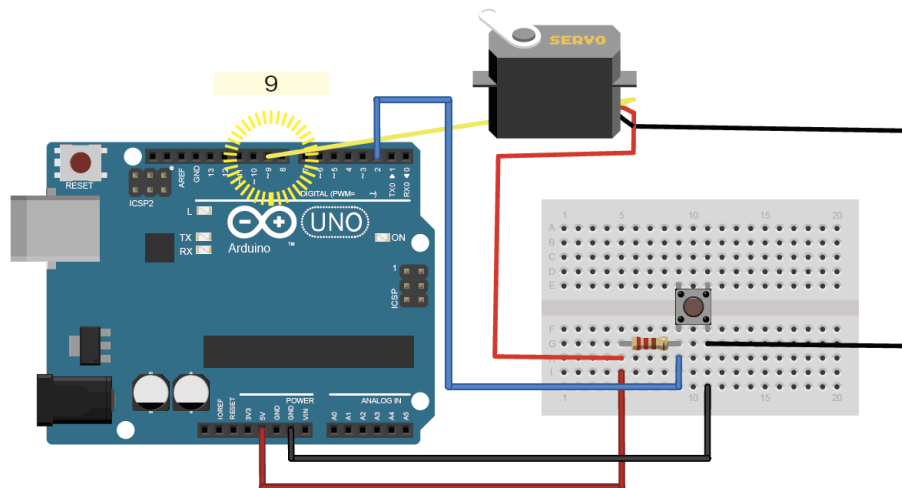


● Switch+ Servo



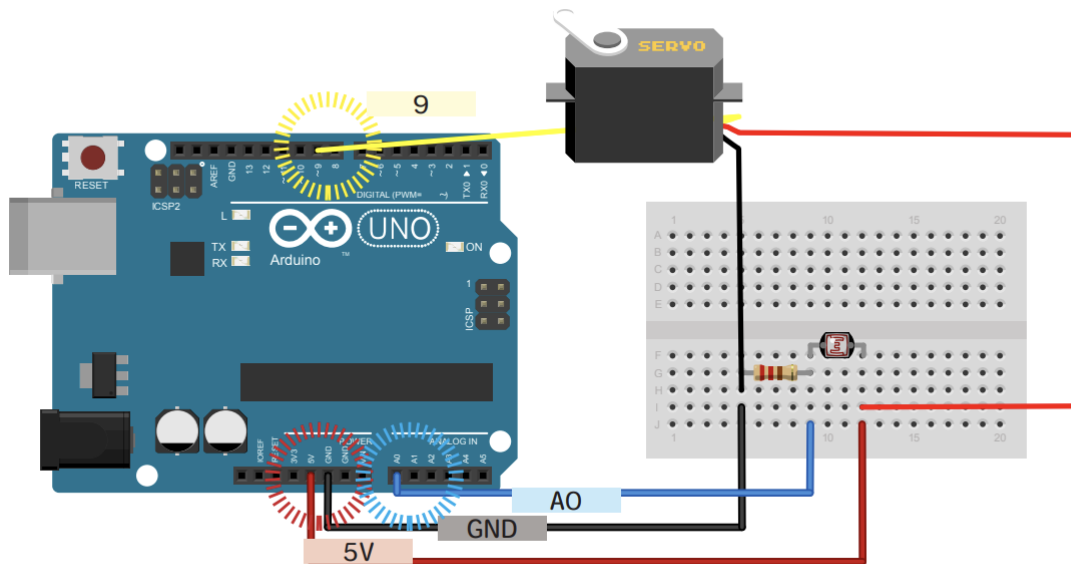
```
#include <Servo.h>
Servo myservo;
int pos = 0;

const int buttonPin = 2;
int buttonState = 0;

void setup() {
  myservo.attach(9);
  pinMode(buttonPin, INPUT);
}

void loop() {
  buttonState = digitalRead(buttonPin);
  if (buttonState == HIGH) {
    for (pos = 0; pos <= 0; pos += 1) {
      myservo.write(pos);
    }
  }
  else{
    for (pos = 0; pos <= 180; pos += 1) {
      myservo.write(pos);
      delay(15);
    }
    {delay(1000);}
    for (pos = 180; pos >= 0; pos -= 1) {
      myservo.write(pos);
      delay(15);
    }
  }
}
```

●Light Sensor + Servo



```
#include <Servo.h>

Servo myservo;

#define servo_pos_default 0
#define servo_pos_max 180
#define sensor_value_min 500
#define sensor_value_max 800

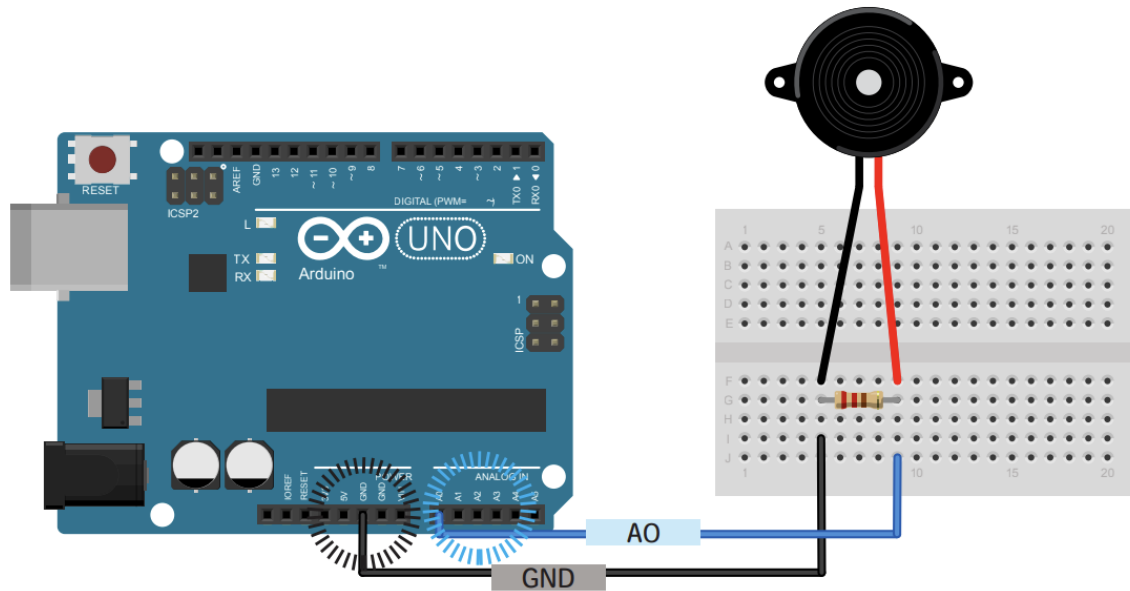
int pos;

void setup() {
  Serial.begin(9600);
  myservo.attach(9);
}

void loop() {
  int sensorValue = analogRead(A0);
  Serial.println(sensorValue);

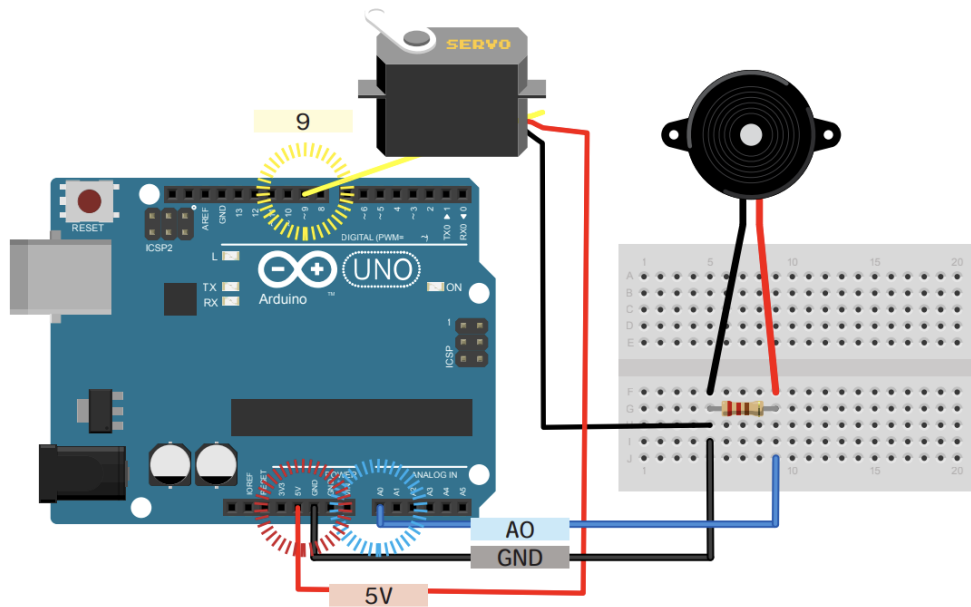
  pos = constrain(sensorValue, sensor_value_min, sensor_value_max);
  pos = map(pos, sensor_value_min, sensor_value_max, servo_pos_default,
  servo_pos_max);
  myservo.write(pos);
  delay(100);
}
```

● Knock sensor



```
const int threshold = 10;
int sensorReading = 0;
int ledState = LOW;
void setup() {
  pinMode(LED_BUILTIN, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  sensorReading = analogRead(A0);
  if (sensorReading >= threshold) {
    digitalWrite(LED_BUILTIN, HIGH);
    Serial.println("Knock!");
    delay(100); }
  else{
    digitalWrite(LED_BUILTIN, LOW);
  } }
```

●Knock Sensor + Servo



```
#include <Servo.h>
Servo myservo;
int pos = 0;
const int threshold = 10;
int sensorReading = 0;
int ledState = LOW;

void setup() {
  pinMode(LED_BUILTIN, OUTPUT);
  Serial.begin(9600);
  myservo.attach(9);
}

void loop() {
  sensorReading = analogRead(A0);
  if (sensorReading >= threshold) {
    digitalWrite(LED_BUILTIN, HIGH);
    Serial.println("Knock!");
    for (pos = 0; pos <= 90; pos += 1) {
      myservo.write(pos);
      delay(15);
    }
    {delay(2000);}
    for (pos = 90; pos >= 0; pos -= 1) {
      myservo.write(pos);
      delay(15);
    }
    {delay(2000);}
  }
  else{
```

```
digitalWrite(LED_BUILTIN,LOW);  
for (pos = 0; pos <= 0; pos += 1) {  
myservo.write(pos);  
delay(15);  
}  
}}
```

●如果發生這種情況怎麼辦

- 得到錯誤，不能寫

(確認)

1.確認代碼顏色已更改的部分

- 號碼是全角嗎？
- 是否有任何缺少的符號？(特別是"}"和";"經常丟失)

2.您選擇正確的板子“ Arduino Uno”嗎？

3.您是否選擇了串行端口？

- 串口不出來

1. Arduino LED閃爍嗎？

- 如果不是，請檢查Arduino和PC之間的連接是否不良 (更換USB電纜等) 。

2.重新啟動電腦

3.卸載Arduino software

4.如果那不能解決問題，那麼Arduino可能壞了...