

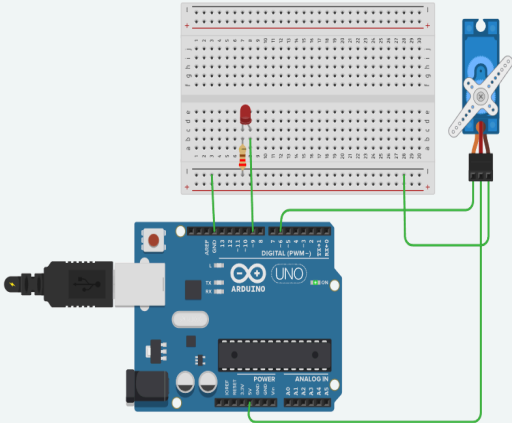
OUTPUT:

TIN KER CAD Smashing Bigery All changes saved

Simulator time: 00:06:05

Code Stop Simulation Send To

1 (Arduino Uno R3)



```
1 #include <Servo.h>
2
3 Servo myServo;
4
5 int ledPin = 9;
6 int servoPin = 6;
7
8 void setup() {
9   myServo.attach(servoPin);
10  pinMode(ledPin, OUTPUT);
11 }
12
13 void loop() {
14
15   for (int angle = 0; angle <= 180; angle++) {
16     int pwmValue = map(angle, 0, 180, 0, 255);
17     int delayTime = map(pwmValue, 0, 255, 20, 1);
18
19     analogWrite(ledPin, pwmValue);
20     myServo.write(angle);
21     delay(delayTime);
22   }
23
24   for (int angle = 180; angle >= 0; angle--) {
25     int pwmValue = map(angle, 0, 180, 0, 255);
26     int delayTime = map(pwmValue, 0, 255, 20, 1);
27
28     analogWrite(ledPin, pwmValue);
29     myServo.write(angle);
30     delay(delayTime);
31   }
32 }
```

Serial Monitor