

Circuit #8: A Single Servo

Code:

```
//include the servo library for use
#include <Servo.h>
Servo myservo; //create servo object

int pos = 0;

void setup() {
  myservo.attach(9);
}
void loop() {
  //moves servo from 0° to 180°
  for(pos = 0; pos < 180; pos += 1) {
    myservo.write(pos);
    delay(15);
  }
  // moves servo from 180° to 0°
  for(pos = 180; pos >= 1; pos -= 1) {
    myservo.write(pos);
    delay(15);
  }
}
```