



Step 1: Start a new sketch and erase any code already there, then type in the code written below:

<pre>#include <Servo.h></pre>	Sketch -> Include Library -> Servo, This tells Arduino that we are using a Servo in this project
<pre>Servo myservo;</pre>	Capitalize Servo, myservo is the name of the servo, but we could have called it whatever we wanted, so if we had 3 or 4 servos, it would make sense to name them differently
<pre>void setup(){ myservo.attach(9); }</pre>	This is where we setup our Arduino and tell it where we are plugging in our Servo, in this case, into pin 9
<pre>void loop(){ myservo.write(0); delay(2000); myservo.write(180); delay(2000); }</pre>	This is where we tell the servo what action to take and it will repeat this action forever.

*For a regular servo, this code will make it go to 0° for 2 seconds, then to 180° for 2 seconds and repeat FOREVER.

*For a full rotation servo, this will make it spin fast to the left for 2 seconds then fast to the right for 2 seconds and repeat FOREVER.

Step 2: Attach the wires to the Servo (red to red, black to black, white to white), then connect to the Arduino

1. Red -> Vin (positive side of power)
2. Black -> GND (negative side of power)
3. White -> Pin 9 (from the line "myservo.attach(9)")

You can always change your code to make the motion exactly what you want. For a more detailed look at how the 2 servos behave, refer to the Servo Notes page.