```
// connect one side of switch to GND on Arduino
// connect "other" side of switch to pin 8
// connect 10K resistor to "other" side of switch to 3.3v pin
// orange servo connects to pin 3
// red servo wire connects to 5v
// brown servo wire connects to GND



#include <Servo.h>;

 // pushbutton pin
 const int buttonPin = 8;
 // servo pin
 const int servoPin = 3;
 Servo servo;
//create a variable to store a counter and set it to 0
int counter = 0;



void setup()
{
  servo.attach (servoPin);

  // Set up the pushbutton pins to be an input:
  pinMode(buttonPin, INPUT);
}
void loop()
{
 // local variable to hold the pushbutton states
  int buttonState;
 //read the digital state of buttonPin with digitalRead() function and store the
 //value in buttonState variable
 buttonState = digitalRead(buttonPin);
   // delay (30);
 buttonState = digitalRead(buttonPin);
 //delay (30);
 buttonState = digitalRead(buttonPin);
    delay (30);
 buttonState = digitalRead(buttonPin);



  //if the button is pressed increment counter and wait a tiny bit to give us some
  //time to release the button
```

```
  if (buttonState == LOW)
   {
   counter++;
    //  delay(10);
  }
   if(counter == 0)
   servo.write (20);  // zero degrees
 else if(counter == 1)
   servo.write(90);
 //else if(counter == 2)
 //   servo.write (150);
 // else if(counter == 3)
 //   servo.write (180);
 //else reset the counter to 0 which resets thr servo to 0 degrees
 // else
   counter = 0;
}
```