

```
#include <Servo.h>
int condVal;

Servo myservo; // create servo object to control a servo

void setup() {
  myservo.attach(9,600,2300); // (pin, min, max)
  Serial.begin(9600);
}

void loop() {

  int value;

  condVal = analogRead(A0);
  float voltage = condVal*(5.0/1023.0);
  Serial.flush();
  Serial.print(voltage);
  delay(500);

  if (Serial.available())
  {
    delay(50);
    while (Serial.available() > 0)
    {
      value = Serial.read();
      if (value == '1') {
        myservo.write(0);
      }
      else if (value == '2') {
        myservo.write(180);
      }
    }
  }
}
```