

```
#include <Servo.h>

Servo motor1;

Servo motor2;

const int joy1X = A0;

const int joy1Y = A1;

const int motor1Pin = 3;

const int motor2Pin = 5;

void setup() {

    motor1.attach(motor1Pin);

    motor2.attach(motor2Pin);

    Serial.begin(9600);

}

void loop() {

    int joy1_X_Value = analogRead(joy1X);

    int joy1_Y_Value = analogRead(joy1Y);

    int motor1Speed = map(joy1_X_Value, 0, 1023, 0, 180);

    int motor2Speed = map(joy1_Y_Value, 0, 1023, 0, 180);

    motor1.write(motor1Speed);

    motor2.write(motor2Speed);

}
```