#include <Servo.h>

Servo servo;

int pos=0;

int state =0;

void setup() {

Serial.begin(9600);

servo.attach(9);

// put your setup code here, to run once:

}

void loop() {

servo.write(0);

delay (2000);

Serial.print(">");

Serial.println(0);

Serial.print("turning servo to ");

Serial.print(0);

Serial.println(" degree");

servo.write(45);

delay (2000);

Serial.print(">");

Serial.println(45);

Serial.print("turning servo to ");

Serial.print(45);

Serial.println(" degree");

servo.write(90);

delay (2000);

Serial.print(">");

Serial.println(90);

Serial.print(" turning servo to ");

Serial.print(90);

Serial.println(" degree");

servo.write(45);

delay (2000);

Serial.print(">");

Serial.println(45);

Serial.print("turning servo to ");

Serial.print(45);

Serial.println(" degree");

// put your main code here, to run repeatedly:

}