#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);

servo.write(45);

delay (2000);

servo.write(90);

delay (2000);

servo.write(45);

delay (2000);

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

}