**How To setup Servo motor**

#include <Servo.h>

int servopin = 3;

Servo.Servo1;

void setup() {

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

Servo1.attach(servopin);

}

void loop() {

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

Servo1.write(0);

delay(1000);

Servo1.write(90);

delay(1000);

Servo1.write(180);

delay(1000);

}

**Ultrasonic Sensor And Sevo Control**

#include <Servo.h>

Servo servo1;

int trigPin = 9;

int echoPin = 8;

long distance;

long duration;

void setup()

{

servo1.attach(7);

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);// put your setup code here, to run once:

}

void loop() {

ultra();

servo1.write(0);

if(distance <= 10){

servo1.write(90);

}

}

void ultra(){

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = duration\*0.034/2;

}