

```
#include <hcsr04.h>
#include <Servo.h>

const int ledPin1 = 8;
const int ledPin2 = 9;
const int Trigger = 2;
const int Echo = 3;
Servo myservo;

void setup() {
  Serial.begin(9600);
  pinMode(ledPin1, OUTPUT);
  pinMode(ledPin2, OUTPUT);
  myservo.attach (5);
  myservo.write(0);
  pinMode (Trigger, OUTPUT);
  pinMode (Echo, INPUT);
  digitalWrite (Trigger, LOW);
}

void loop() {
  long t;
  long d;
  digitalWrite(Trigger, HIGH);
  delayMicroseconds(10);
  digitalWrite(Trigger, LOW);

  t = pulseIn(Echo, HIGH);
  d = t / 59;

  int EchoStatus = analogRead(Echo);

  if (d <= 100)
  {
    myservo.write(90);
    digitalWrite(ledPin1, HIGH);
    digitalWrite(ledPin2, HIGH);
```

```
    Serial.print("SUSTACO!!!!!!!!!!");  
}  
  
else  
{  
    myservo.write(180);  
    digitalWrite(ledPin1, LOW);  
    digitalWrite(ledPin2, LOW);  
    Serial.print("Estas muy lesjos!!!");  
}  
}
```