```
#define trigPin 10
#define echoPin 13

void setup() {
Serial.begin (9600);
pinMode (trigPin, OUTPUT);
pinMode (echoPin, INPUT);
}

void loop() {
float dur, dist;

digitalWrite (trigPin, LOW);
delayMicroseconds (2);

digitalWrite (trigPin, HIGH);
delayMicroseconds (10);
digitalWrite (trigPin, LOW);

dur = pulseIn (echoPin, HIGH);
dist = (dur/2) * 0.0344;

if (dist >= 400 || dist <= 2)
{
  Serial.print ("Distancia = ");
  Serial.println ("Fora de alcance");
}
else
{
Serial.print ("Distancia = ");
Serial.print (dist);
Serial.println(" cm");
delay (500);
}
delay (500);
}
```