

```
void setup()
{
  Serial.begin (115200);
  pinMode(2,OUTPUT); // Trig
  pinMode(3,INPUT); // Echo
  pinMode(13,OUTPUT); //
}
```

```
void loop()
{
  digitalWrite(2,0);
  delayMicroseconds(2);
  digitalWrite(2,1);
  delayMicroseconds(5);
  digitalWrite(2,0);

  int T = pulseIn (3,1);
  float D = T/58.0;

  Serial.println (D);
  if(D < 10)
  {
    digitalWrite(13,1);
  }
  else if (D < 25)
  {
    digitalWrite(13,1);
    delay (200);
    digitalWrite(13,0);
    delay (200);
  }
  else if (D < 40)
  {
    digitalWrite(13,1);
    delay (400);
    digitalWrite(13,0);
    delay (400);
  }
  else
    digitalWrite(13,0);

  delay (100);
}
```