```arduino
void setup()
{
   Serial.begin(115200);
   pinMode(11,OUTPUT);   //ขา Trig
   pinMode(12,INPUT);     //ขา Echo
   pinMode(13,OUTPUT);     //LED
}

void loop()
{
   digitalWrite(11,0);
   delayMicroseconds(2);
   digitalWrite(11,1);
   delayMicroseconds(5);
   digitalWrite(11,0);
   int T = pulseIn(12,1);
   float D = T/29.0/2.0;
   Serial.print(T);
   Serial.print(",");
   Serial.println(D);

   if(D < 10)
```

```
{
    digitalWrite(13,1);
}


else if(D < 20)
{
    digitalWrite(13,1);
    delay(200);
    digitalWrite(13,0);
    delay(200);
}


else if(D < 30)
{
    digitalWrite(13,1);
    delay(400);
    digitalWrite(13,0);
    delay(400);
}
```

```
    else if(D > 30)
    {
        digitalWrite(13,0);
    }
    delay(100);



}
```