|  |
| --- |
| void setup() |
|  | { |
|  | pinMode(10, OUTPUT); |
|  | pinMode(9,INPUT); |
|  | pinMode(6,OUTPUT); |
|  | Serial.begin(9600); |
|  | } |
|  |  |
|  | void loop() |
|  | { |
|  | float d,t; |
|  | digitalWrite(10,HIGH); |
|  | delayMicroseconds(10); |
|  | digitalWrite(10,LOW); |
|  | t=pulseIn(9,HIGH); |
|  | d=0.017\*t; |
|  | Serial.print("Distance"); |
|  | Serial.print(d); |
|  | if(d<20) |
|  | { |
|  | for(int i=0;i<256;i++) |
|  | { |
|  | analogWrite(6,i); |
|  | delay(10); |
|  | } |
|  | } |
|  | else if(d>20) |
|  | { |
|  | analogWrite(6,0); |
|  | } |
|  | } |