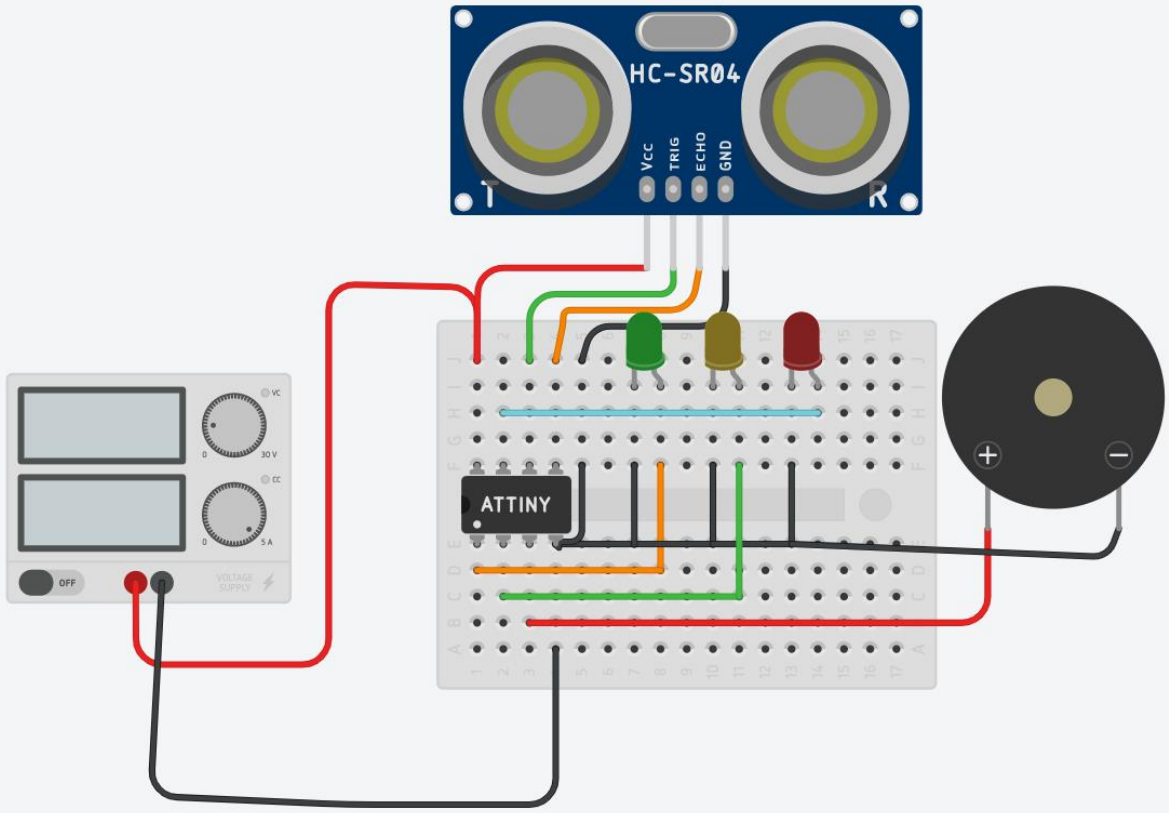
HC-SR04
Vcc
TRIG
ECHO
GND
T
R
ATTINY
OFF
VOLTAGE SUPPLY
30 V
5 A
CC
+
−

```
#define Green 5
#define Yellow 3
#define Red 2
#define buzzer 4


const int trigPin = 1;
const int echoPin = 0;
long duration;
int distance;


void setup()
{
pinMode(trigPin,OUTPUT); // Sets the trigPin as an Output
pinMode(echoPin,INPUT) ;  // Sets the echoPin as an Input
pinMode(Green,  OUTPUT);
pinMode(Yellow, OUTPUT);
pinMode(Red,    OUTPUT);
pinMode(buzzer, OUTPUT);
}
void loop()
{
// Clears the trigPin
digitalWrite(trigPin, LOW);
delayMicroseconds(2);
// Sets the trigPin on HIGH state for 10 micro seconds
digitalWrite(trigPin, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin, LOW);
// Reads the echoPin, returns the sound wave travel time in microseconds
duration = pulseIn(echoPin, HIGH);
// Calculating the distance
distance= duration*0.034/2;

 if(distance > 200)
 {
   digitalWrite(Green, HIGH);
   digitalWrite(buzzer, LOW);
   digitalWrite(Yellow, LOW);
   digitalWrite(Red, LOW);
 }
 if(distance <= 200 && distance >100)
 {
   digitalWrite(Green, LOW);
   digitalWrite(buzzer, LOW);
   digitalWrite(Yellow, HIGH);
   digitalWrite(Red, LOW);
 }
 if(distance < 100)
 {
   digitalWrite(Green, LOW);
   digitalWrite(buzzer, HIGH);
   digitalWrite(Yellow, LOW);
   digitalWrite(Red, HIGH);
   //tone(buzzer, 100, 100);

 }
}
```