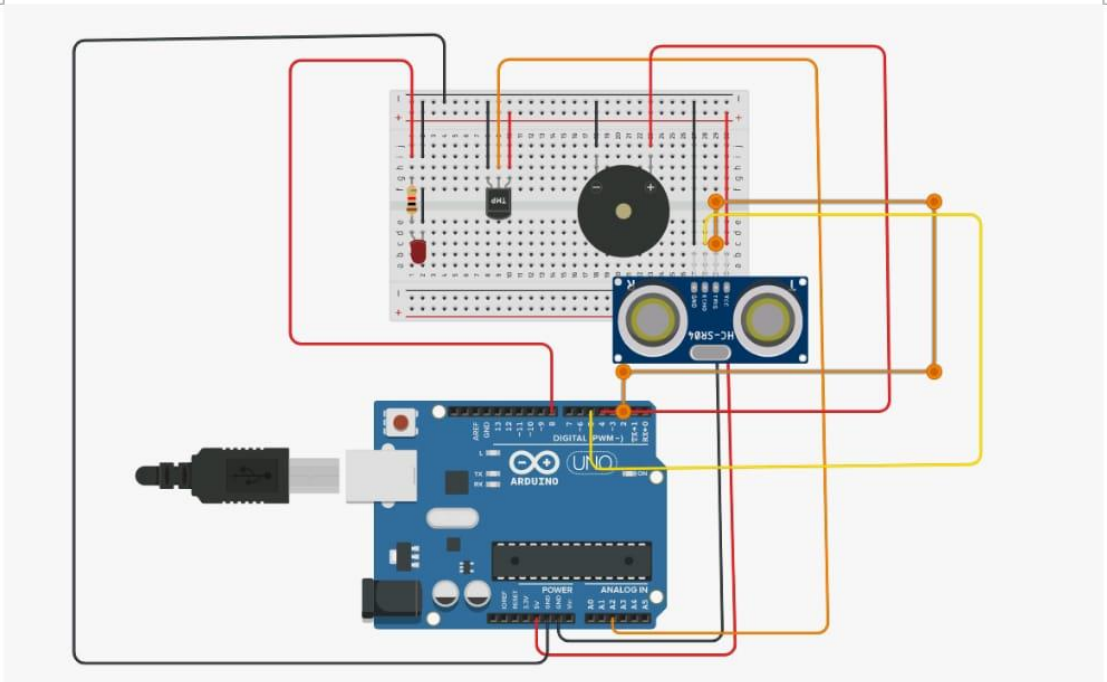


```
int led = 8;
int trig = 2;
int echo = 5;
int buzzer = 4;

void setup()
{
  Serial.begin(9000);
  pinMode(led,OUTPUT);
  pinMode(trig,OUTPUT);
  pinMode(echo,INPUT);
  pinMode(buzzer,OUTPUT);
}
```

```
void loop()
{
 double a = analogRead(A2);
 double v = a / 1024;
 double tvolt = v * 5;
 double o = tvolt - 0.5;
 double t = 0 * 100;
 Serial.print("Temperature in degree");
 Serial.println(t);
 if(t >= 50)
 {
  digitalWrite(led,HIGH);
 }
 else
 {
  digitalWrite(led,LOW);
 }
 digitalWrite(trig,LOW);
 digitalWrite(trig,HIGH);
 delayMicroseconds(10);
 digitalWrite(trig,LOW);
 float dur = pulseIn(echo,HIGH);
 float dist = (dur * 0.343)/2;
 Serial.print("Distance");
 Serial.println(dist);
 if(dist >= 17)
 {
  digitalWrite(buzzer,HIGH);
 }
 else
```

```
  {
    digitalWrite(buzzer,LOW);
  }
}
```