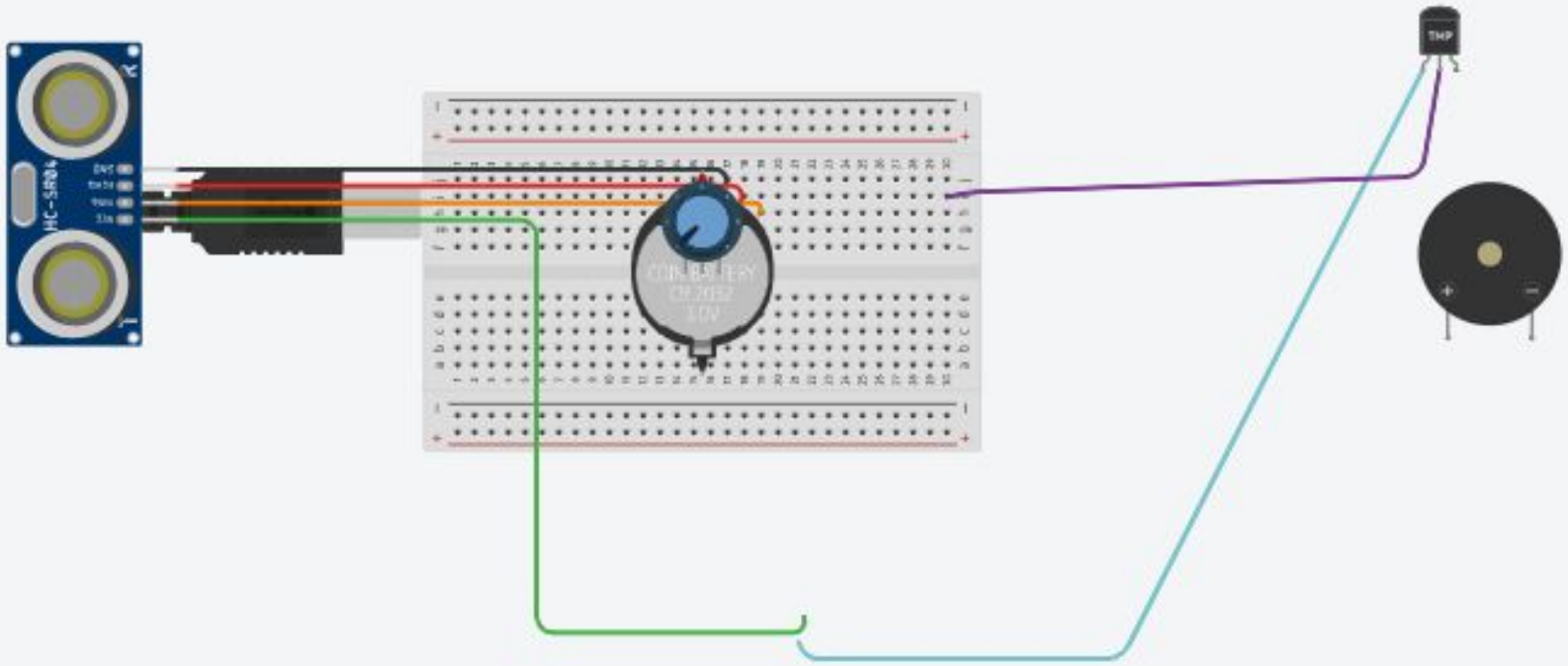
HC-SR04
TMP

Text

1 (Arduino Uno R3)

```
int val;
int tempPin = 1;

#define trigPin 12
#define echoPin 13
int Buzzer = 8; // Connect buzzer pin to 8
int ledPin= 6;  //Connect LEd pin to 6
int duration, distance; //to measure the d

void setup() {
        Serial.begin (9600);

        pinMode(trigPin, OUTPUT);
        pinMode(echoPin, INPUT);
        pinMode(Buzzer, OUTPUT);
        pinMode(ledPin, OUTPUT);
}

void loop() {
  val = analogRead(tempPin);
  float mv = ( val/1024.0)*5000;
  float cel = mv/10;
  float farh = (cel*9)/5 + 32;
  Serial.print("TEMPRATURE = ");
  Serial.print(cel);
  Serial.print("*C");
  Serial.println();
  delay(1000);

    digitalWrite(trigPin, HIGH);
    delayMicroseconds(10);
    digitalWrite(trigPin, LOW);
    duration = pulseIn(echoPin, HIGH);
    distance = (duration/2) / 29.1;
    //when distance is greater than or equ
  if (distance >= 200 || distance <= 0)
        {
        Serial.println("no object detected
        digitalWrite(Buzzer,LOW);
        digitalWrite(ledPin,LOW);
        }
  else {
        Serial.println("object detected \n
        Serial.print('distance= ");
        Serial.print(distance);          //p
        tone(Buzzer,400);                //
        digitalWrite(ledPin,HIGH);
  }
}
```