

CODE AND CONNECTIONS FOR THE ULTRASONIC SENSOR IN WOKWI

CODE:

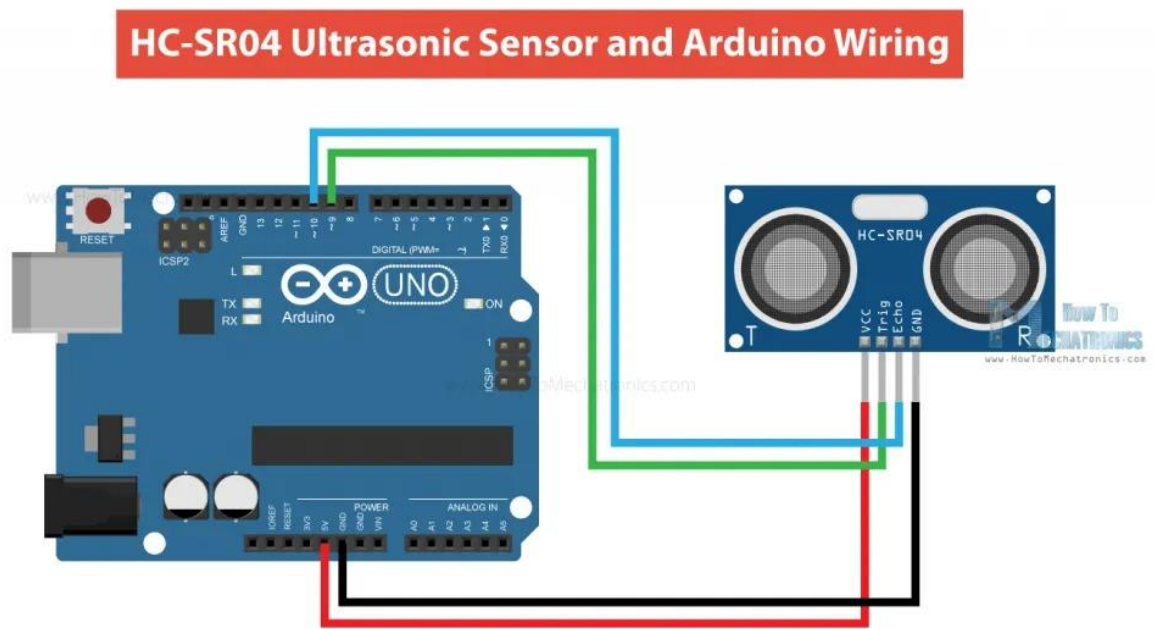
```
const int trigPin = 9;
const int echoPin = 10;
long duration;
int distance;

void setup() {
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
  Serial.begin(9600);
}

void loop() {

  digitalWrite(trigPin, LOW);
  delayMicroseconds(2);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);
  duration = pulseIn(echoPin, HIGH);
  distance = duration * 0.034 / 2;
  Serial.print("Distance: ");
  Serial.println(distance);
  if(distance<100)
  {
    Serial.println("Alert!!");
  }
}
```

CONNECTION :



WOKWI SHARE LINK :

<https://wokwi.com/projects/347781925638767188>