## Arduino codes

```
const int echoPin = 4;
const int trigPin = 5;
void setup(){
 Serial.begin(9600);
 pinMode(echoPin, INPUT);
 pinMode(trigPin, OUTPUT);
 Serial.println("Ultrasonic sensor:");
}
void loop(){
float distance = readSensorData();
 Serial.print(distance);
 Serial.println(" cm");
 delay(400);
}
float readSensorData(){
 digitalWrite(trigPin, LOW);
 delayMicroseconds(2);
 digitalWrite(trigPin, HIGH);
 delayMicroseconds(10);
 digitalWrite(trigPin, LOW);
float distance = pulseIn(echoPin, HIGH)/58.00; //Equivalent to (340m/s*1us)/2
 return distance;
}
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Code in Arduino