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