

```
const int pingPin = 10; // Trigger Pin of Ultrasonic Sensor
const int echoPin = 9; // Echo Pin of Ultrasonic Sensor
```

```
void setup() {
  Serial.begin(9600); // Starting Serial Terminal
}
```

```
void loop() {

  float duration, inches, cm;
  pinMode(pingPin, OUTPUT);
  digitalWrite(pingPin, LOW);
  delayMicroseconds(2);
  digitalWrite(pingPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(pingPin, LOW);
  pinMode(echoPin, INPUT);
  duration = pulseIn(echoPin, HIGH);
  inches = microsecondsToInches(duration);
  cm = microsecondsToCentimeters(duration);
  Serial.print(duration);
  //Serial.print("ms, ");
  //Serial.print(inches);
  //Serial.print("in, ");
  //Serial.print(cm);
  //Serial.print("cm");
  Serial.println();
  delay(100);

}
```

```
long microsecondsToInches(long microseconds) {
  return microseconds / 74 / 2;
}
```

```
long microsecondsToCentimeters(long microseconds) {
  return microseconds / 29 / 2;
}
```