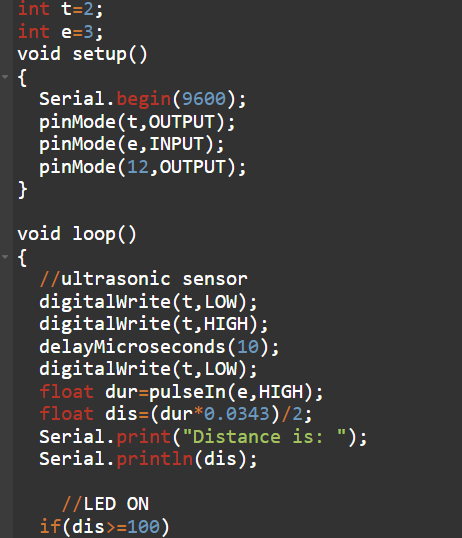
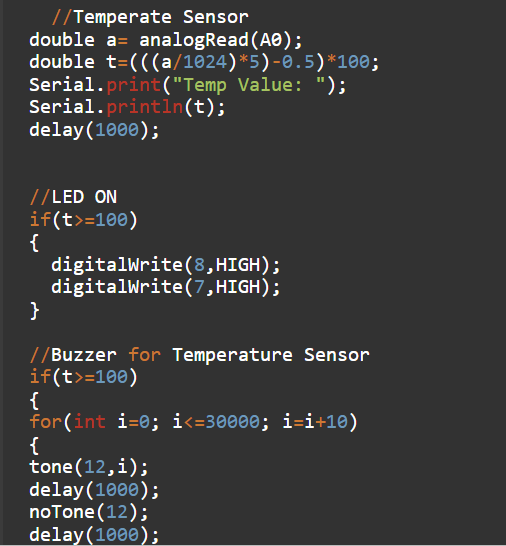
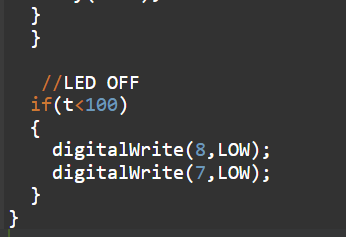
**CODE:**









**OUTPUT:**

