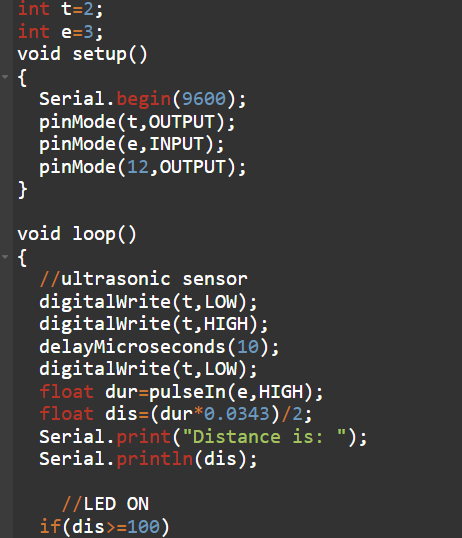
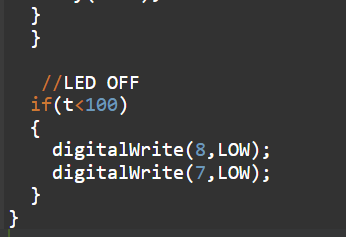
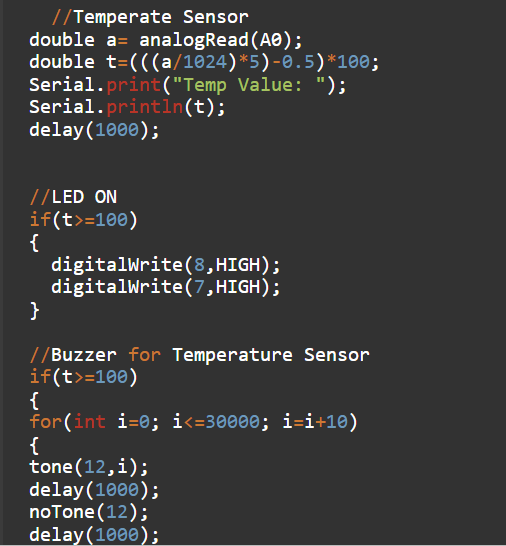
**CODE:**







OUTPUT:

