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from machine import Pin, time_pulse_us
from time import sleep_us, sleep
ECHO PIN = 26
TRIGGER PIN = 27
trigger = Pin(TRIGGER_PIN, Pin.OUT)
echo = Pin(ECHO_PIN, Pin.IN)
def measure distance():
    trigger.low()
    sleep_us(2)
    trigger.high()
    sleep_us(10)
    trigger.low()
    # Measure the duration of the echo pulse (in microseconds)
    pulse_duration = time_pulse_us(echo, Pin.high)
    # Calculate the distance (in centimeters) using the speed of sound (343
m/s)
    distance = pulse_duration * 0.0343 / 2
    return distance
def main():
   while True:
        # Measure the distance and print the value in centimeters
        distance = measure_distance()
        print("Distance: {:.2f} cm".format(distance))
        sleep(1)
if __name__ == "__main__":
    main()
```

