import machine

import dht

import time

# Initialize the DHT sensor

dht\_sensor = dht.DHT22(machine.Pin(2))

try:

while True:

try:

# Read temperature and humidity

dht\_sensor.measure()

temperature\_c = dht\_sensor.temperature()

humidity = dht\_sensor.humidity()

# Check if values are valid

if isinstance(temperature\_c, float) and isinstance(humidity, float):

temperature\_f = temperature\_c \* 9 / 5 + 32

print("Temperature: {:.1f}°C, {:.1f}°F".format(temperature\_c, temperature\_f))

print("Humidity: {:.1f}%".format(humidity))

else:

print("Failed to read data from DHT sensor.")

except OSError as e:

# Errors happen fairly often, DHT's are hard to read, just keep going

print("Error reading DHT sensor:", e)

# Delay for 2 seconds

time.sleep(2)

finally:

# Cleanup

dht\_sensor.exit()

