ssh debian@192.168.7.2

om warning remote host has changed->ssh-keygen -f ~/.ssh/known\_hosts -R 192.168.7.2

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Byta lösenord efter flashning:

passwd

Du kommer bli ombedd att:

Ange ditt nuvarande lösenord.

Ange ett nytt lösenord.

Bekräfta det nya lösenordet.

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sudo apt update

sudo apt install i2c-tools python3-venv python3-full -y

python3 -m venv bme-env

source bme-env/bin/activate

pip install smbus2 Rpi.bme280

skriv filen

nano bme280\_test.py  
import smbus2

try:

bus = smbus2.SMBus(2)

who\_am\_i = bus.read\_byte\_data(0x76, 0xD0)

print(f"Sensor svarar! WHO\_AM\_I = 0x{who\_am\_i:02X}")

except Exception as e:

print("Ingen sensor hittades eller fel uppstod:")

print(e)

python bme280\_test.py

nano bme280\_read.py

import smbus2

import bme280

import time

# Sensoradress (från i2cdetect)

address = 0x76

# Initiera I2C-buss 2

bus = smbus2.SMBus(2)

# Initiera BME280

calibration\_params = bme280.load\_calibration\_params(bus, address)

# Läs kontinuerligt

while True:

data = bme280.sample(bus, address, calibration\_params)

print(f"Temperatur: {data.temperature:.1f} °C")

print(f"Luftfuktighet: {data.humidity:.1f} %")

print(f"Lufttryck: {data.pressure:.1f} hPa")

print("-------------------------------")

time.sleep(2)

python bme280\_read.py