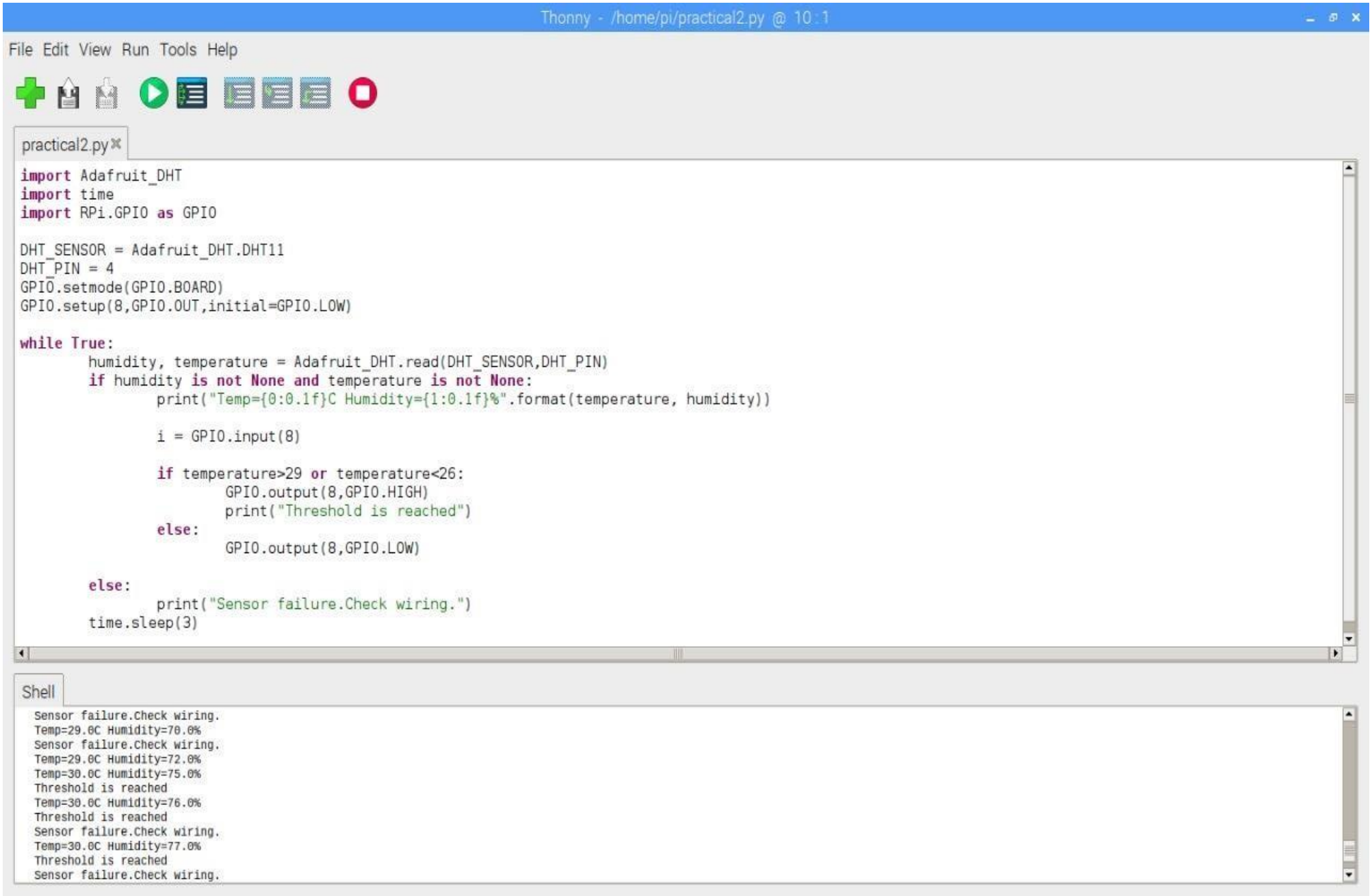
Thonny - /home/pi/practical2.py @ 10 : 1
File Edit View Run Tools Help
practical2.py
import Adafruit_DHT
import time
import RPi.GPIO as GPIO
DHT_SENSOR = Adafruit_DHT.DHT11
DHT_PIN = 4
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8,GPIO.OUT,initial=GPIO.LOW)
while True:
humidity, temperature = Adafruit_DHT.read(DHT_SENSOR,DHT_PIN)
if humidity is not None and temperature is not None:
print("Temp={0:0.1f}C Humidity={1:0.1f}%".format(temperature, humidity))
i = GPIO.input(8)
if temperature>29 or temperature<26:
GPIO.output(8,GPIO.HIGH)
print("Threshold is reached")
else:
GPIO.output(8,GPIO.LOW)
else:
print("Sensor failure.Check wiring.")
time.sleep(3)
Shell
Sensor failure.Check wiring.
Temp=29.0C Humidity=70.0%
Sensor failure.Check wiring.
Temp=29.0C Humidity=72.0%
Temp=30.0C Humidity=75.0%
Threshold is reached
Temp=30.0C Humidity=76.0%
Threshold is reached
Sensor failure.Check wiring.
Temp=30.0C Humidity=77.0%
Threshold is reached
Sensor failure.Check wiring.

Interface diagram: