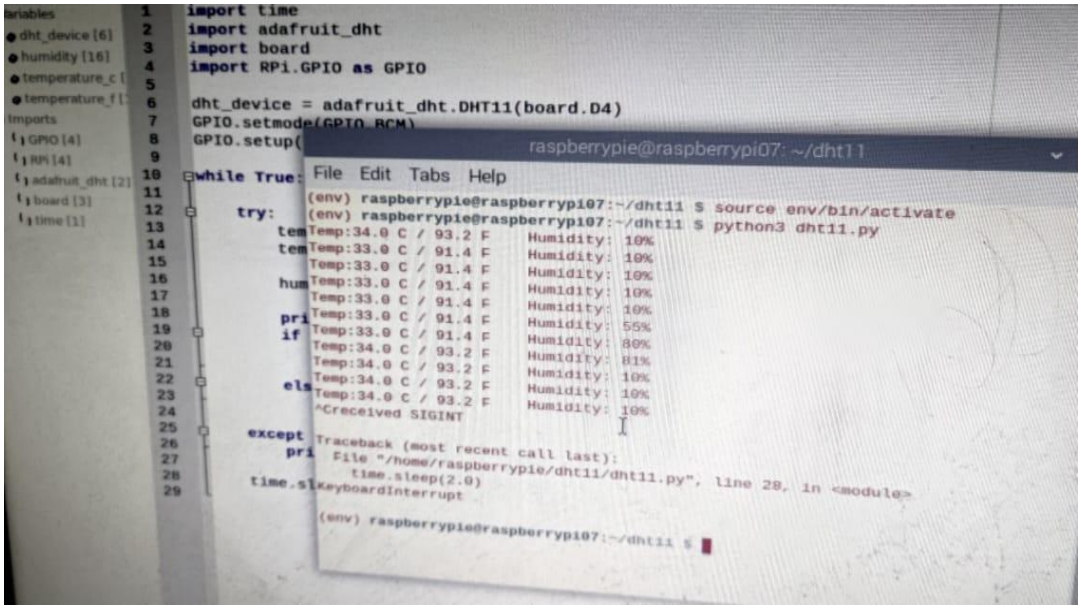
TEMPERATURE SENSOR:

CODE:

```
import Adafruit_DHT
import time
import RP1.GPIO as GPIO
led-18
sensor=16
GPIO.setmode (GPIO.BCM)
GPIO.setup(sensor,GPIO.IN)
GPIO.setup(led, GPIO.OUT)
while True:
   humidity, temperature = Adafruit_DHT.read_retry(11,16)
   print(temperature, humidity)
   time.sleep(1)
   if (humidity>50):
      GPIO.input (sensor)
      GPIO.output (led, True)
   else:
      GPIO.output (led,False)
```


variables
dht_device [6]
humidity [16]
temperature_c [
temperature_f [1
Imports
GPIO [4]
RPi [4]
adafruit_dht [2]
board [3]
time [1]
import time
import adafruit_dht
import board
import RPi.GPIO as GPIO
dht_device = adafruit_dht.DHT11(board.D4)
GPIO.setmode(GPIO.BCM)
GPIO.setup(
while True:
try:
except
time.sl
raspberrypie@raspberrypi07: ~/dht11
File Edit Tabs Help
(env) raspberrypie@raspberrypi07:~/dht11 $ source env/bin/activate
(env) raspberrypie@raspberrypi07:~/dht11 $ python3 dht11.py
Temp:34.0 C / 93.2 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 10%
Temp:33.0 C / 91.4 F Humidity: 55%
Temp:34.0 C / 93.2 F Humidity: 80%
Temp:34.0 C / 93.2 F Humidity: 81%
Temp:34.0 C / 93.2 F Humidity: 10%
Temp:34.0 C / 93.2 F Humidity: 10%
Temp:34.0 C / 93.2 F Humidity: 10%
^Creceived SIGINT
Traceback (most recent call last):
File "/home/raspberrypie/dht11/dht11.py", line 28, in <module>
time.sleep(2.0)
KeyboardInterrupt
(env) raspberrypie@raspberrypi07:~/dht11 $