lab 8 - temperature sensor

vcc - power

dt - gpio number (use 4)

gnd - ground

selection.py

```
import sqlite3
conn = sqlite3.connect('th.db')
data = conn.execute('select * from lab8)
for row in data:
  print('temp_c = ',row[0])
  print('temp_f = ',row[1])
  print('humidity = ',row[2])
```

insertion.py

```
import sqlite3
conn = sqlite3.connect('th.dt')
conn.execute('create table lab8 (tempc varchar(255), tempf varchar(255), humidity(255))')
conn.close()
```

adafruit.py

```
import time
import board
import adafruit_dht
import sqlite3
dht_device = adafruit_dht.DHT22(board.D4,use_pulseio = False)
```

```
conn = sqlite3.connect('th.db')
c = conn.cursor()

while True:
    try:
      temp_c = dht_device.temperature
      temp_f = temp_c*(9/5)+32
      humidity = dht_device.humidity
      print('Temp: {:1f}F/{:1f}c'.format(temp_f, temp_c))
      print('Humidity : {:1f}'.format(humidity))
      c.execute(f"insert into lab8 values ({temp_c}, {temp_f},{humidity})")
      conn.connect()
    finally:
      print(' ')
conn.close()
```