PROGRAMME TEMPERATURE

Exécutable pour récupérer la température et l'afficher.

```
#!/usr/bin/python3.4
# coding: utf-8

import sys
import os

# Library written for Python 3!
# take a look in the datasheet
# http://www.mouser.com/catalog/specsheets/Seeed_111020002.pdf

chemin = os.path.dirname(os.path.abspath(__file__))
while not chemin.endswith('funwater'):
    chemin = os.path.dirname(chemin)
chemin = os.path.dirname(chemin)
if chemin not in sys.path:
    sys.path.insert(0, chemin)

from library.TemperatureSensor.TemperatureSensor import TemperatureSensor
from library.grove_128_64_oled import grove_128_64_oled as oled
import time
#import mysql.connector

#connexion a la basse de donnee
#cnx = mysql.connector.connect(host="10.16.2.127", \ user="pi", password="password", \ database="funwater")


ht = TemperatureSensor(1,0)

def setup():

        #Serial.begin(115200)
        print('grove - hight temperature sensor test demo')
        ht.begin()

def loop():
    while 1:

        tempThmc = ht.getThmc()
        print(tempThmc)
        time.sleep (2)
        oled.clearDisplay()          #clear the screen and set start position to top left corner
        oled.setNormalDisplay()      #Set display to normal mode (i.e non-inverse mode)
        oled.setPageMode()           #Set addressing mode to Page Mode
        for i in range(1):
            oled.setTextXY(i,i)          #Set the cursor to Xth Page, Yth Column
            oled.putString(str(int(tempThmc))) #Print the String


#Inserer des valeurs de la temperature dans la base de donnee
#temperature = ("id", "val_temperat")
#cursor.execute("""INSERT INTO users (id, val_temp) VALUES(%s, %s)""", temperature)

def main():
    setup()
    loop()


if __name__ == "__main__":
    main()
```