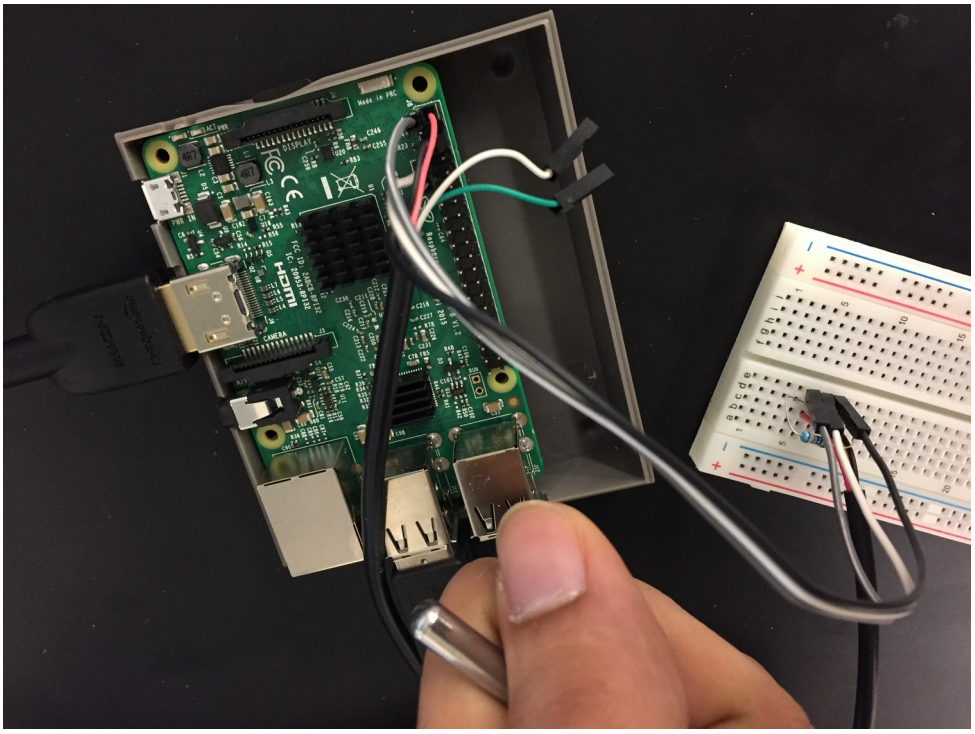

```
import os
import time
import sqlite3 as mydbase
import sys

def readTemp():
        temperature = open("/sys/bus/w1/devices/28-031689bff5ff/w1_slave")
        temperature_txt = temperature.read()
        currTime = time.strftime('%x %X %Z')
        temperature.close()
        temperatureinC = float(temperature_txt.split("\n")[1].split("t=")[1])/1000
        temperatureinF = temperatureinC*9.0/5.0+32.0
        return [currTime, temperatureinC, temperatureinF]

con = mydbase.connect('temperature.db')
with con:
       #con.execute('DROP TABLE IF EXISTS 'temperatureTable'')
       con.execute(''' CREATE TABLE temperatureTable
                        (TIME TEXT NOT NULL, CELSIUS FLOAT NOT NULL, FAHR
FLOAT NOT NULL);''')
def storeTemp():

                        [time,C,F] = readTemp()
                        print "Current temperature is: %s F" %F
                        cur = con.cursor()
                        sql = "insert into temperatureTable values(?,?,?)"
                        cur.execute('insert into temperatureTable values(?,?,?)',
(time,C,F))
                        print "Temperature has been Stored"
```

```
def wloop():

        x = 0;
        while(x<20):
                storeTemp()
                time.sleep(30)
                x = x + 1

wloop()
```