Assignment 3 Temp Sensor

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#!/usr/bin/python
import os
import time
import sqlite3 as mydb
def readTemp():
tempfile = open("/sys/bus/w1/devices/28-
000006979949/w1_slave")
     tempfile_text = tempfile.read()
     currentTime = time.strftime('%x %X %Z')
     tempfile.close()
     tempC =
float(tempfile_text.split("\n")[1].split("t=")[1])/1000
tempF = tempC*9.0/5.0 + 32.0
     return [currentTime, tempC, tempF]
def logTemp():
     con = mydb.connect('/home/pi/Databases/temp.db')
     with con:
          try:
               [t,C,F] = readTemp()
               print "Current temperature is: %s F" %F
               cur = con.cursor()
               cur.execute('insert into TempData
except:
               print "Error"
def tempTimer():
     x = 0.0
     while True:
          print x
          if x == 10.0:
               break
          time.sleep(30)
          logTemp()
          x += 0.5
#print readTemp()
#logTemp()
tempTimer()
```



