import serial #RFID translation

import datetime #Saves timestamps and dates

import os.path #Open, read, and write to files

serial = serial.Serial("/dev/ttyUSB0", baudrate=9600)

currentDayTime = datetime.datetime.today()

code = ''

counter = 2

currentDay = currentDayTime.strftime('%d-%B-%Y')

filename = str(currentDay) + ".txt"

#If statement that determines if there is/isn't a log file for the day

#If there isn't it creates one. If there is it appends to that file.

if os.path.isfile(filename):

RFData = open(filename,"a")

else:

RFData = open(filename,"w")

#Reads card data. Translates, displays, and stored data in a file

#Counter was required to gibberish at the beginning of the string

while True:

data = serial.read()

if data == '\r':

if counter <= 2:

code = code[counter:]

else:

code = code[4:]

print(code)

RFData.write(code + "\n")

code = ''

counter += 2

else:

code = code + data