#!/usr/bin/python2.7

import serial

import time

import DbContext as db

from DadosParaPlotarEntity import DadosParaPlotar as Maquina

import datetime

db.DbContext.create\_all\_tables()

viagens = 0

ser = serial.Serial('COM3')

x = 200

y = 800

range\_x = False

range\_y = False

VALUE\_SERIAL = 0

id\_maquina = input('Digite a identificacao da maquina: ')

maquina = Maquina(periodo = 8, dataEHora = datetime.datetime.now(), viagens = 0,

Id\_maquina = id\_maquina)

db.DbContext.add(maquina)

def range\_ponto\_fixo():

global range\_x

global range\_y

if x >= 100 and x <= 300:

print ('entrou range Coord')

range\_x = True

else:

range\_x = False

if y >= 700 and y <= 900:

print ('entrou range router')

range\_y = True

else:

range\_y = False

def ponto\_de\_carga():

global viagens

print ('range y ' + str(range\_y) + ' range x: ' + str(range\_x))

if range\_y and range\_x:

maquina = db.s.query(Maquina).filter(Maquina.Id\_maquina == id\_maquina).first()

maquina.viagens += 1

db.s.commit()

print ('viagens = ' + str(maquina.viagens))

while range\_y and range\_x:

print ('Esta na posicao')

break

return

while 1==1:

VALUE\_SERIAL = ser.readline(29)

if b'valorx' in VALUE\_SERIAL:

x = float(VALUE\_SERIAL[21:28].strip())

print (" o valor de x é " + str(x))

if b'valory' in VALUE\_SERIAL :

y = float(VALUE\_SERIAL[21:28].strip())

print (" o valor de y é " + str(y))

if ( x != 0 and y != 0):

print ('verificando range e ponto de carga')

range\_ponto\_fixo()

ponto\_de\_carga()

x = 0

y = 0

ser.close()

#while 1==1:

# time.sleep(2)

# if( x != 0 and y != 0):

# print ('verificando range e ponto de carga')

# range\_ponto\_fixo()

# ponto\_de\_carga()

#x = 0

#y = 0