import matp bt/ib.pyplot as plt

def grafica (): } encabezado

x=[1,2,3,4] de la formion

y=[1,3,7,2.5]

plt. figure()

plt. plot (x,1),'o')

plt. show()

grafica()

(1,2,3) topla

(1,2,3) topla [1,2,3] lista {1,2,3} consento

jusport numpy. rendom ran dom ndarray arreglos listas y for x in range (100):
prmt ('*') estructuras basieus de Aython *** ******* for x in range (10): for y in runge (10);

printiprint ('x')

x = x x x x x x x x + y X# 15 suport numpy as up y= np. random. rand (1000) # arreglo de 1000 valores al azar from noupy oram down import rand y = rand (1000) # arreglo de 1000 valores al azar

import random y= random.random () # 1 valor al ezar

```
In [26]: import random
import numpy as np
import matplotlib.pyplot as plt
def grafical():
    x = np.linspace(0,1000,100)
    y = np.random.rand(len(x))
    y = 2 * y -1
    plt.figure()
    plt.plot (x,y,)
    plt.show()
grafical()
100
075
050
025
-0.50
-0.75
-1.00
0 200 400 600 1000
```