

Ej. 1

```
import matplotlib.pyplot as plt
```

```
def grafica():
```

encabezado
de la función

$x = [1, 2, 3, 4]$

$y = [1, 3, 7, 2.5]$

cuerpo

```
plt.figure()
```

```
plt.plot(x, y, 'o')
```

```
plt.show()
```

```
grafica()
```

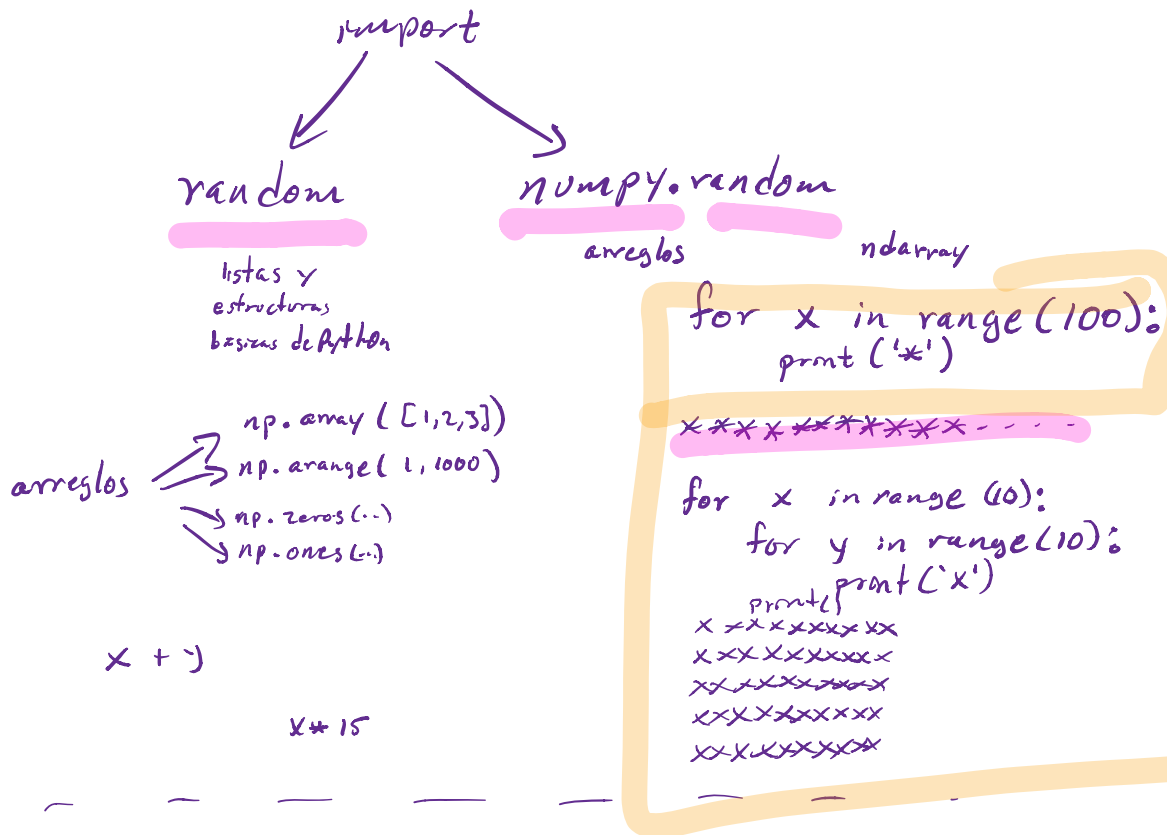
$(1, 2, 3)$ tupla

$[1, 2, 3]$ lista

$\{1, 2, 3\}$ conjunto



Ej 2



`import numpy as np`

`y = np.random.rand(1000)` # arreglo de 1000 valores al azar

`from numpy.random import rand`

`y = rand(1000)` # arreglo de 1000 valores al azar

import random

y = random.random() # 1 valor al azar

```
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()
```

