**#punto1**

print("Hola mundo!")

**#punto2**

a = 4

b = 5

pro = (a+b/2)

print(pro)

**#punto3**

vector =[1,2,3,4,5]

print(vector)

**#punto4**

r =[1,2,3]

l =[4,1,3]

prome = (r+l /2)

print(prome)

print("El promedio es")

**#punto5**

df=[5,6,7,8,9]

max(df)

min(df)

**# punto 6**

vec = [1,5,6,3,4,7]

vmax = 1

vmin = 1

for i in (vec):

if i > vmax:

vmax = i

for i in (vec):

if i < vmin:

vmin = i

print("el valor maximo es: ", vmax)

print("el valor minimo es: ", vmin)

**# punto 7**

import numpy as np

import matplotlib.pyplot as plt

x = np.random.normal(size=100)

print(x)

**# punto 8**

import numpy as np

import matplotlib.pyplot as plt

x = np.random.normal(size=100)

x\_abs = np.abs(x)

plt.title("Valor absoluto")

**#punto 9**

import numpy as np

a = np.random.normal(0,1,100)

vp = a.copy()

vp[np.arange(0,100,10)] = np.nan

print(vp)

**#punto 10**

import matplotlib.pyplot as plt

a = np.random.normal(0,1,100)

vp = a.copy()

vp[np.arange(0,1,100)] = np.nan

pm = vp[np.logical\_not(np.isnan(vp))]

m = np.mean(pm)

vp[np.arange(0,100,10)] = m

print(vp)

print(m)