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0907-23-17186

2DO CICLO SECCION B

INGENIERIA EN SISTEMAS

PROGRAMAS Y EJERCICIOS

PHYTON

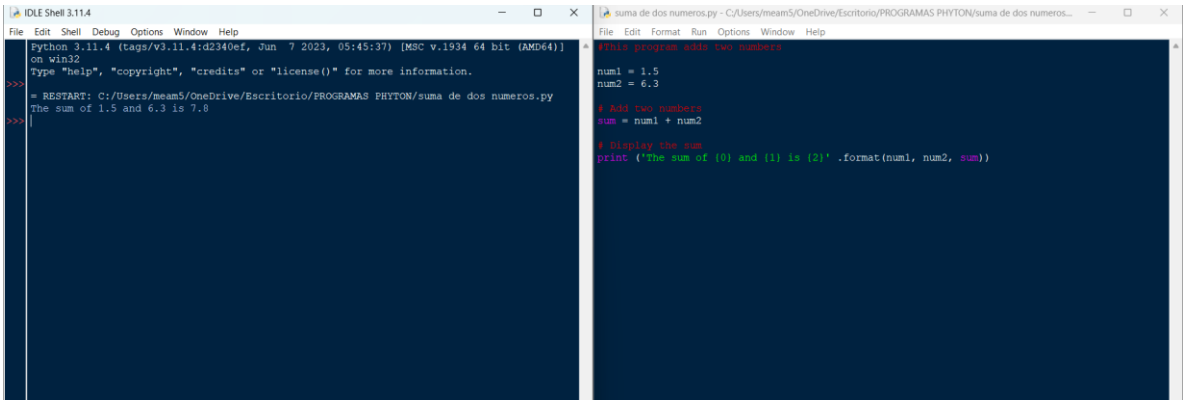
INGENIERO CARLOS HERNANDEZ

ALGORITMO

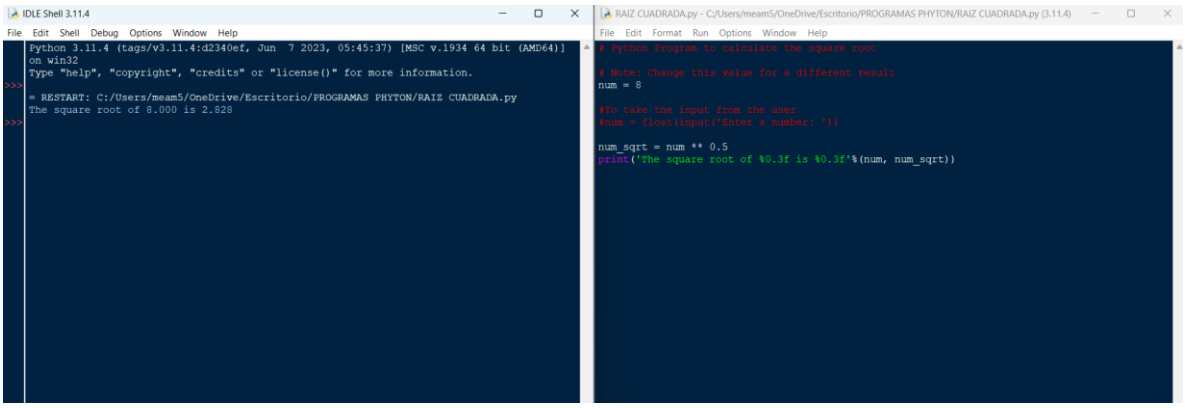
LINK GIT HUB

https://github.com/Mynor-Alonso-1992/-PROGRAMAS-Y-EJERCICIOS-PHYTON.git

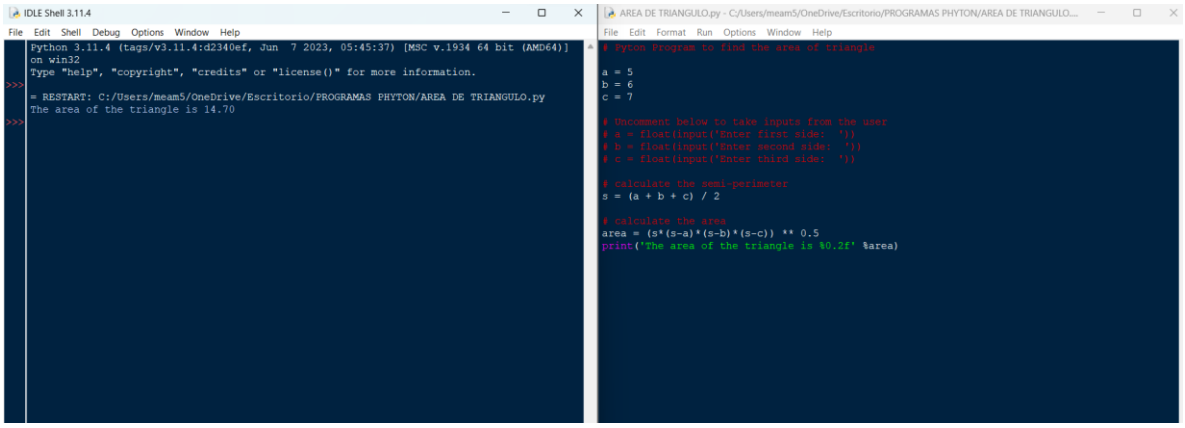
SUMA DE 2 NUMEROS



RAIZ CUADRADA



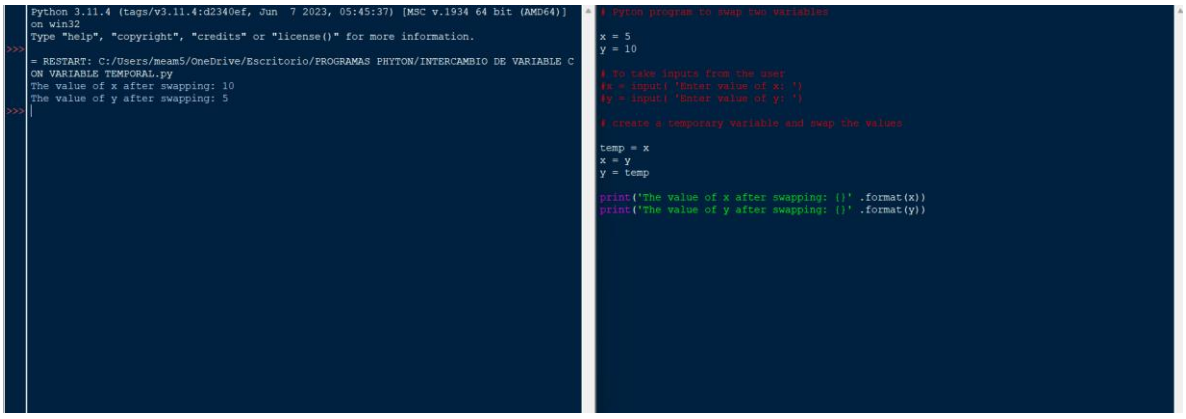
AREA DE TRIANGULO



```
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun  7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/meam5/OneDrive/Escritorio/PROGRAMAS PHYTON/AREA DE TRIANGULO.py
The area of the triangle is 14.70
>>>
```

```
# Python Program to find the area of triangle

a = 5
b = 6
c = 7

# Uncomment below to take inputs from the user
# a = float(input('Enter first side:  '))
# b = float(input('Enter second side:  '))
# c = float(input('Enter third side:  '))

# calculate the semi-perimeter
s = (a + b + c) / 2

# calculate the area
area = (s*(s-a)*(s-b)*(s-c)) ** 0.5
print('The area of the triangle is %0.2f' %area)
```

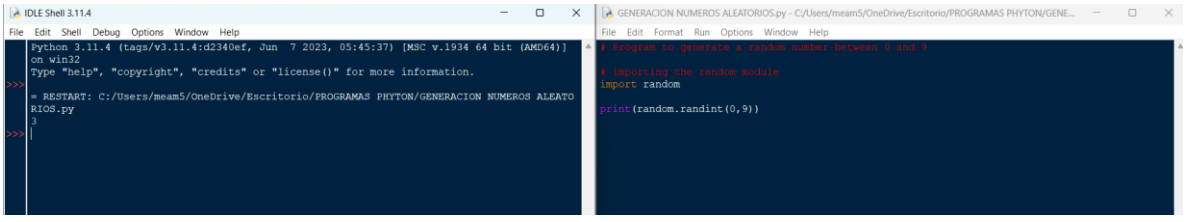
INTERCAMBIO DE VARIABLE CON VARIABLE TEMPORAL



```
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun  7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/meam5/OneDrive/Escritorio/PROGRAMAS PHYTON/INTERCAMBIO DE VARIABLE C
ON VARIABLE TEMPORAL.py
The value of x after swapping: 10
The value of y after swapping: 5
>>>
```

```
# Python program to swap two variables

x = 5
y = 10

# To take inputs from the user
#x = input('Enter value of x: ')
#y = input('Enter value of y: ')

# create a temporary variable and swap the values

temp = x
x = y
y = temp

print('The value of x after swapping: {}' .format(x))
print('The value of y after swapping: {}' .format(y))
```

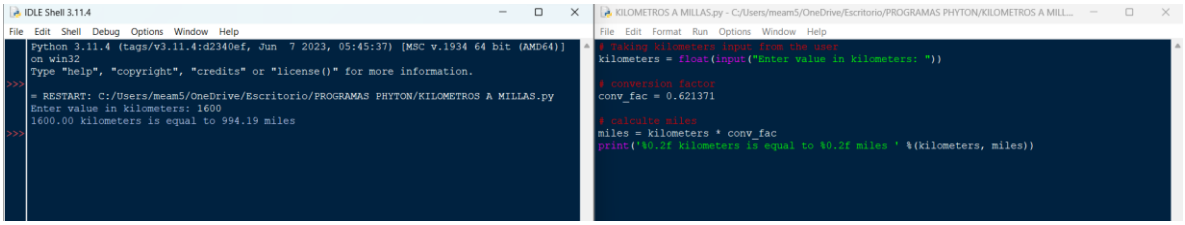
GENERACION NUMEROS ALEATORIOS



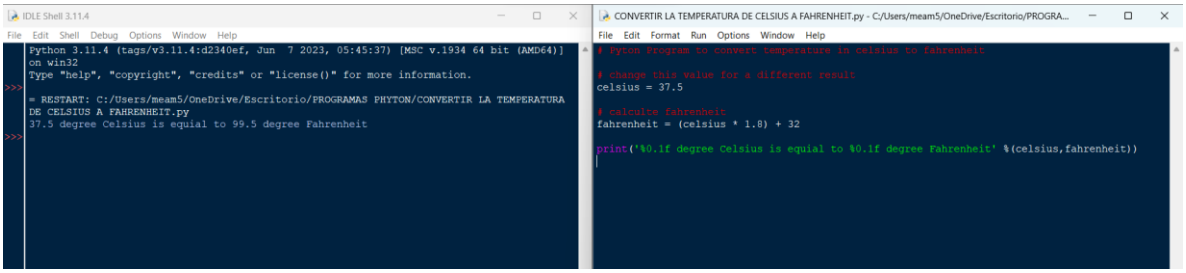
```
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun  7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/meam5/OneDrive/Escritorio/PROGRAMAS PHYTON/GENERACION NUMEROS ALEATO
RIOS.py
3
>>>
```

```
# Program to generate a random number between 0 and 9

# importing the random module
import random

print(random.randint(0,9))
```

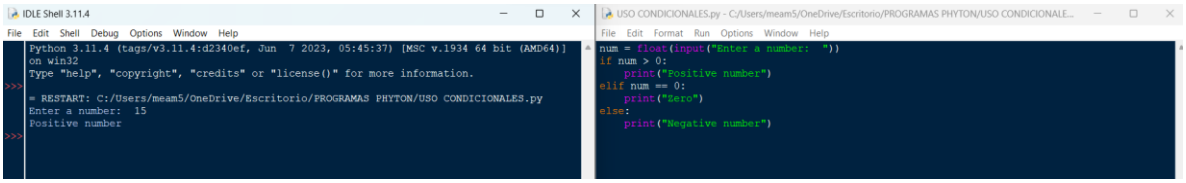
KILOMETROS A MILLAS



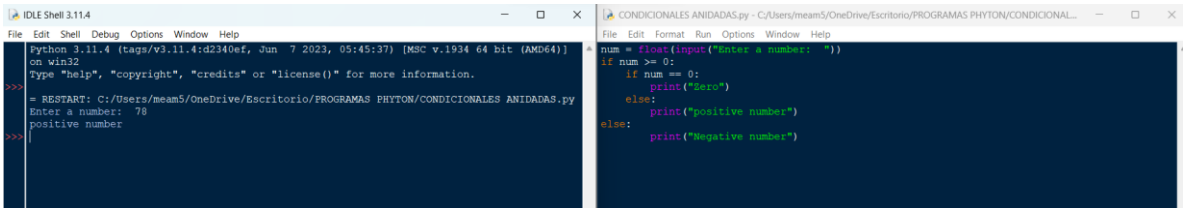
CONVERTIR LA TEMPERATURA DE CELSIUS A FAHRENHEIT



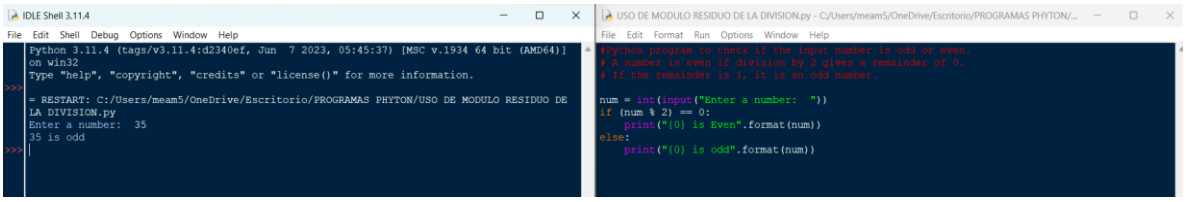
USO CONDICIONALES



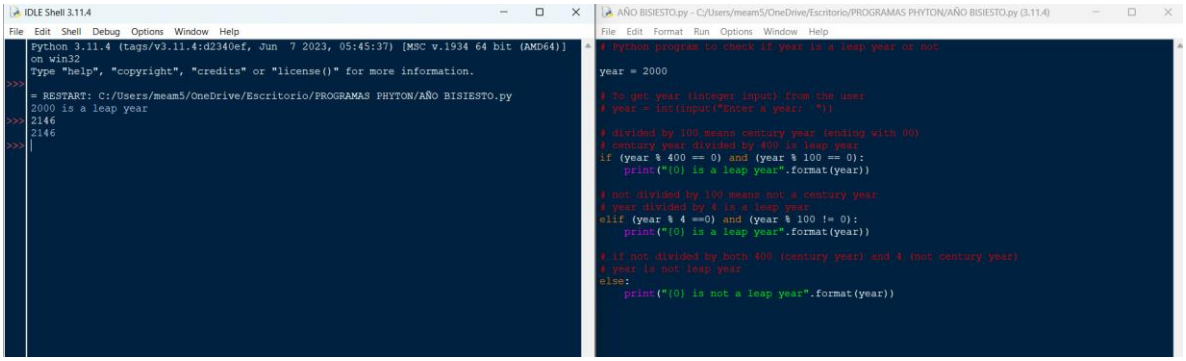
CONDICIONALES ANIDADAS



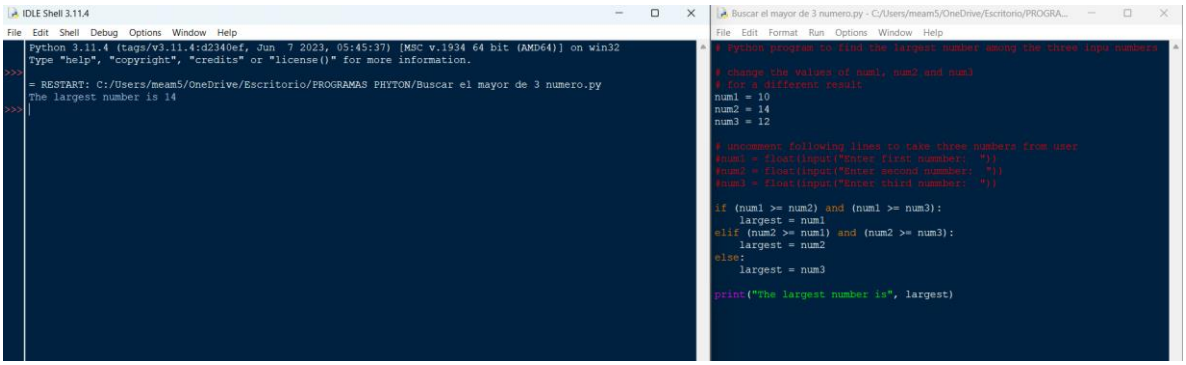
USO DE MODULO (RESIDUO DE LA DIVISION)



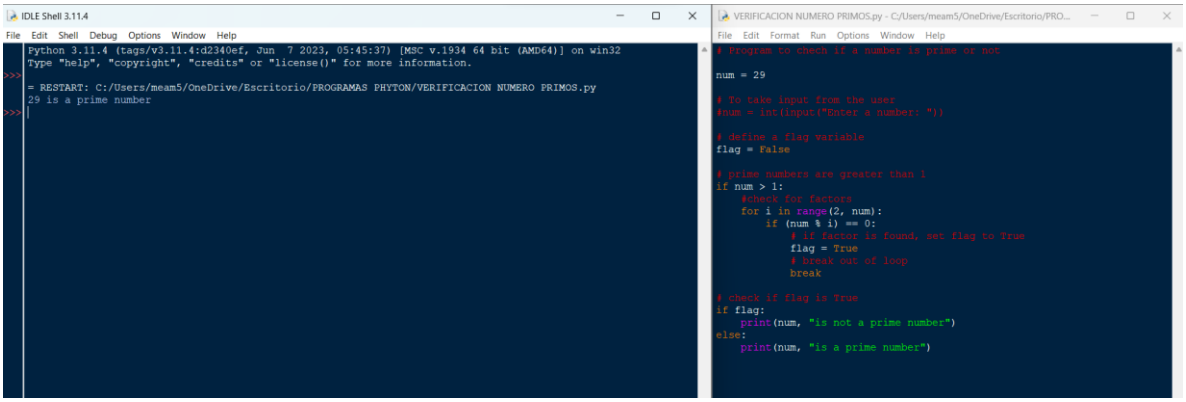
AÑO BISIESTO



EL MAYOR DE 3 NUMEROS



VERIFICACION NUMERO PRIMOS



LOOPS ANIDADOS: imprime todos los números en un rango