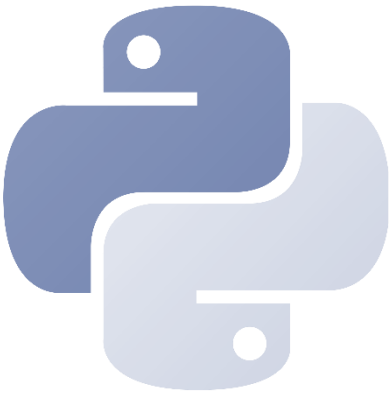


Ejercicios

"A31"

Departamento de Ciencias de la Computación

Asignatura:

"Lenguajes Inteligentes"

Profesor:

Alejandro Padilla Díaz

Fecha:

15 de noviembre de 2024

Alumnos:

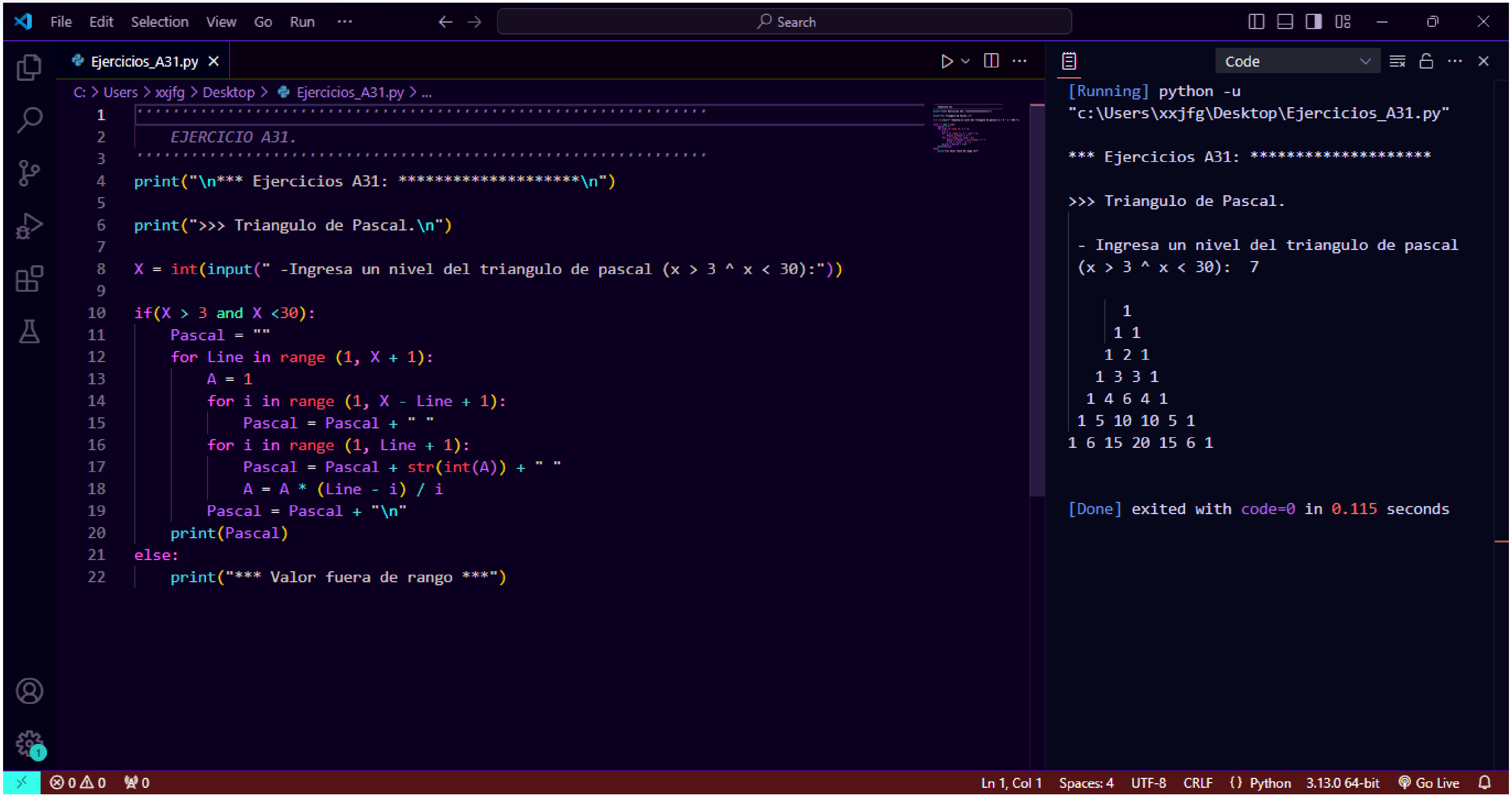
Juan Francisco Gallo Ramírez

ID: 23287

Ingeniería en Computación Inteligente

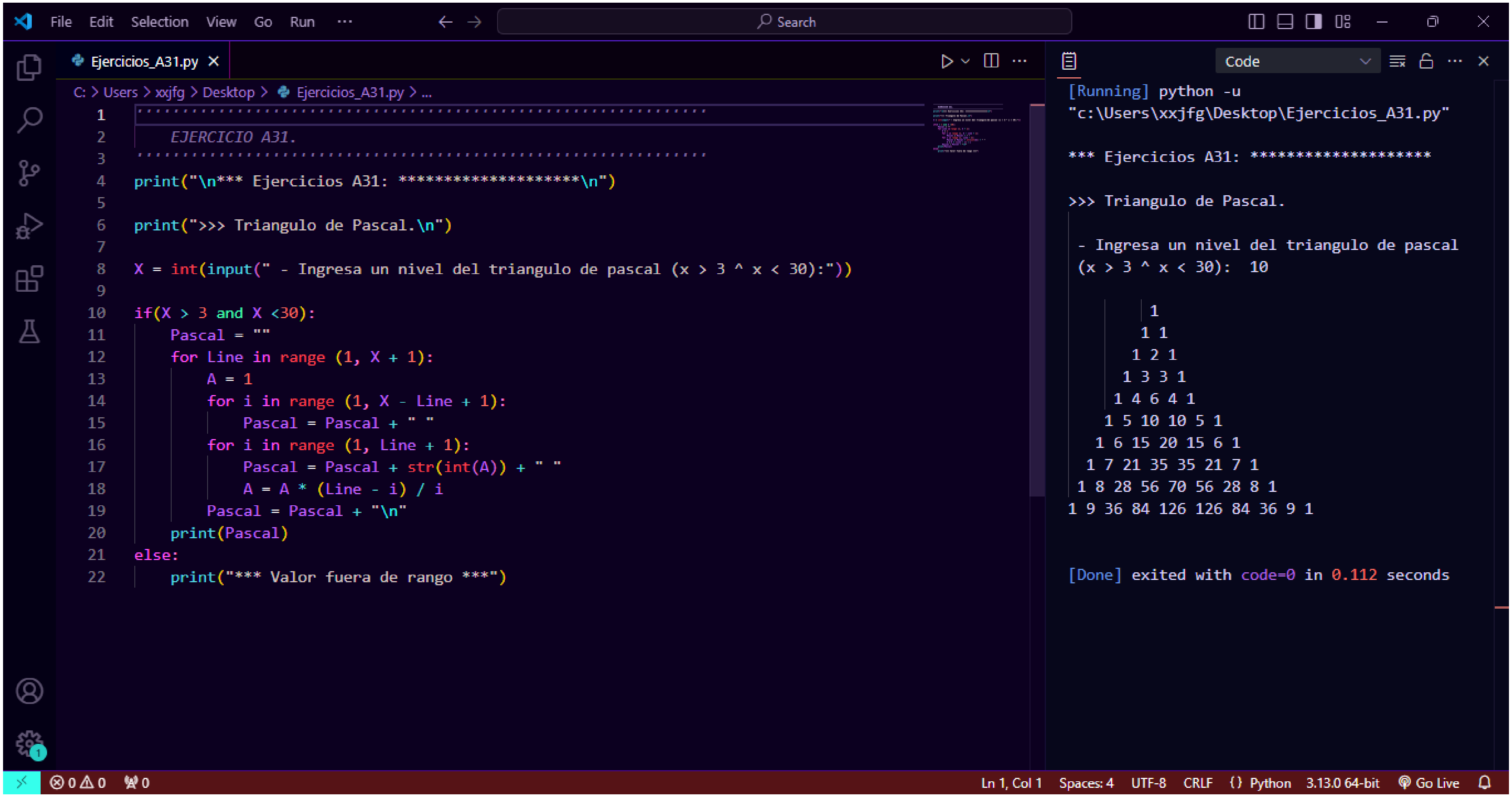
5to Semestre

Evidencias


File Edit Selection View Go Run ···
Search
Ejercicios_A31.py
C: > Users > xxjfg > Desktop > Ejercicios_A31.py > ...
'''
EJERCICIO A31.
'''
print("\n*** Ejercicios A31: ********************\n")
print(">>> Triangulo de Pascal.\n")
X = int(input(" -Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30):"))
if(X > 3 and X <30):
Pascal = ""
for Line in range (1, X + 1):
A = 1
for i in range (1, X - Line + 1):
Pascal = Pascal + " "
for i in range (1, Line + 1):
Pascal = Pascal + str(int(A)) + " "
A = A * (Line - i) / i
Pascal = Pascal + "\n"
print(Pascal)
else:
print("*** Valor fuera de rango ***")
Code
[Running] python -u "c:\Users\xxjfg\Desktop\Ejercicios_A31.py"
*** Ejercicios A31: ********************
>>> Triangulo de Pascal.
- Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30): 7
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
[Done] exited with code=0 in 0.115 seconds
0 0 0
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.13.0 64-bit Go Live

```python
''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''
    EJERCICIO A31.
''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''
print("\n*** Ejercicios A31: ********************\n")

print(">>> Triangulo de Pascal.\n")

X = int(input(" -Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30):"))

if(X > 3 and X <30):
    Pascal = ""
    for Line in range (1, X + 1):
        A = 1
        for i in range (1, X - Line + 1):
            Pascal = Pascal + " "
        for i in range (1, Line + 1):
            Pascal = Pascal + str(int(A)) + " "
            A = A * (Line - i) / i
        Pascal = Pascal + "\n"
    print(Pascal)
else:
    print("*** Valor fuera de rango ***")
```

```
[Running] python -u "c:\Users\xxjfg\Desktop\Ejercicios_A31.py"

*** Ejercicios A31: ********************

>>> Triangulo de Pascal.

 - Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30):  5

    1
   1 1
  1 2 1
 1 3 3 1
1 4 6 4 1


[Done] exited with code=0 in 0.111 seconds
```


File Edit Selection View Go Run
Search
Ejercicios_A31.py
C: > Users > xxjfg > Desktop > Ejercicios_A31.py > ...
EJERCICIO A31.
print("\n*** Ejercicios A31: ********************\n")
print(">>> Triangulo de Pascal.\n")
X = int(input(" - Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30):"))
if(X > 3 and X <30):
Pascal = ""
for Line in range (1, X + 1):
A = 1
for i in range (1, X - Line + 1):
Pascal = Pascal + " "
for i in range (1, Line + 1):
Pascal = Pascal + str(int(A)) + " "
A = A * (Line - i) / i
Pascal = Pascal + "\n"
print(Pascal)
else:
print("*** Valor fuera de rango ***")
Code
[Running] python -u "c:\Users\xxjfg\Desktop\Ejercicios_A31.py"
*** Ejercicios A31: ********************
>>> Triangulo de Pascal.
- Ingresa un nivel del triangulo de pascal (x > 3 ^ x < 30): 10
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
1 7 21 35 35 21 7 1
1 8 28 56 70 56 28 8 1
1 9 36 84 126 126 84 36 9 1
[Done] exited with code=0 in 0.112 seconds
0 0 0
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.13.0 64-bit Go Live