



Ejercicios

"A21, A22 y A23"



*Departamento de Ciencias
de la Computación*

Asignatura:

"Lenguajes Inteligentes"

Profesor:

Alejandro Padilla Díaz

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Alumnos:

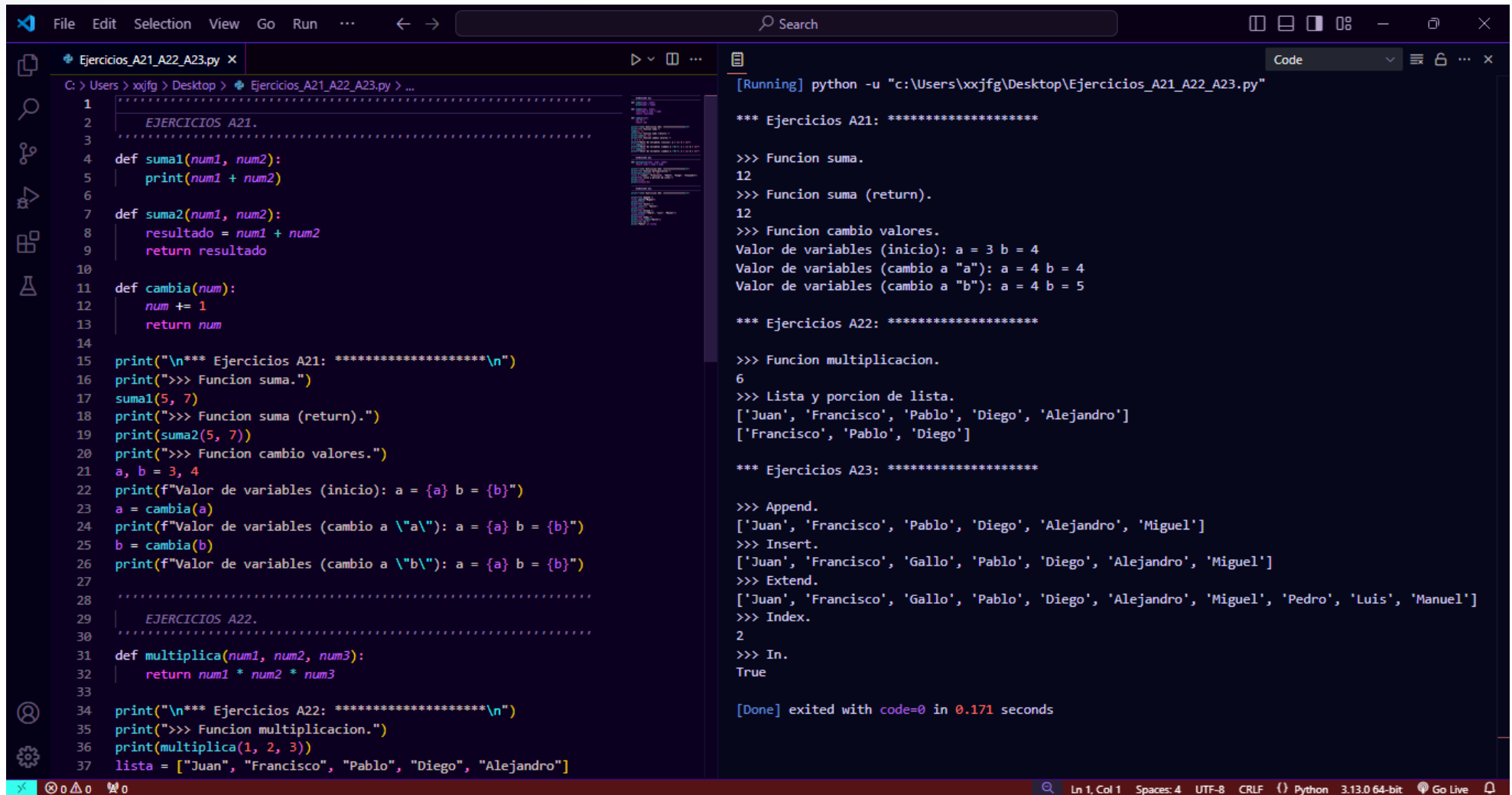
Juan Francisco Gallo
Ramírez

ID: 23287

***Ingeniería en Computación
Inteligente***

5to Semestre

Evidencias



The image shows a Visual Studio Code editor window with a Python script and its execution output. The script is divided into two sections: Ejercicios A21 and Ejercicios A22. Ejercicios A21 includes functions for summing numbers, returning results, and changing variable values. Ejercicios A22 includes a function for multiplying numbers and a list manipulation exercise. The output window shows the execution of the script, displaying the results of the functions and the list manipulation.

```
File Edit Selection View Go Run ... Search
Ejercicios_A21_A22_A23.py X
C:\Users\xxjfg\Desktop\Ejercicios_A21_A22_A23.py > ...

1  EJERCICIOS A21.
2
3
4  def suma1(num1, num2):
5      print(num1 + num2)
6
7  def suma2(num1, num2):
8      resultado = num1 + num2
9      return resultado
10
11 def cambia(num):
12     num += 1
13     return num
14
15 print("\n*** Ejercicios A21: *****\n")
16 print(">>> Funcion suma.")
17 suma1(5, 7)
18 print(">>> Funcion suma (return).")
19 print(suma2(5, 7))
20 print(">>> Funcion cambio valores.")
21 a, b = 3, 4
22 print(f"Valor de variables (inicio): a = {a} b = {b}")
23 a = cambia(a)
24 print(f"Valor de variables (cambio a \"a\"): a = {a} b = {b}")
25 b = cambia(b)
26 print(f"Valor de variables (cambio a \"b\"): a = {a} b = {b}")
27
28 EJERCICIOS A22.
29
30
31 def multiplica(num1, num2, num3):
32     return num1 * num2 * num3
33
34 print("\n*** Ejercicios A22: *****\n")
35 print(">>> Funcion multiplicacion.")
36 print(multiplica(1, 2, 3))
37 lista = ["Juan", "Francisco", "Pablo", "Diego", "Alejandro"]

[Running] python -u "c:\Users\xxjfg\Desktop\Ejercicios_A21_A22_A23.py"

*** Ejercicios A21: *****

>>> Funcion suma.
12
>>> Funcion suma (return).
12
>>> Funcion cambio valores.
Valor de variables (inicio): a = 3 b = 4
Valor de variables (cambio a "a"): a = 4 b = 4
Valor de variables (cambio a "b"): a = 4 b = 5

*** Ejercicios A22: *****

>>> Funcion multiplicacion.
6
>>> Lista y porcion de lista.
['Juan', 'Francisco', 'Pablo', 'Diego', 'Alejandro']
['Francisco', 'Pablo', 'Diego']

*** Ejercicios A23: *****

>>> Append.
['Juan', 'Francisco', 'Pablo', 'Diego', 'Alejandro', 'Miguel']
>>> Insert.
['Juan', 'Francisco', 'Gallo', 'Pablo', 'Diego', 'Alejandro', 'Miguel']
>>> Extend.
['Juan', 'Francisco', 'Gallo', 'Pablo', 'Diego', 'Alejandro', 'Miguel', 'Pedro', 'Luis', 'Manuel']
>>> Index.
2
>>> In.
True

[Done] exited with code=0 in 0.171 seconds
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF Python 3.13.0 64-bit Go Live
```

The image shows a code editor with a dark theme. The left pane displays a Python file named `Ejercicios_A21_A22_A23.py`. The code is organized into sections for Ejercicios A21, A22, and A23. Ejercicios A21 includes a `multiplica` function and a list of names. Ejercicios A22 includes a list of names and a list of numbers. Ejercicios A23 includes a list of names and a list of numbers. The right pane shows the terminal output of the code execution. The output shows the execution of the `python -u "c:\Users\xxjfg\Desktop\Ejercicios_A21_A22_A23.py"` command. The output displays the results of the `multiplica` function, the list of names, and the list of numbers. The output also shows the execution of the `append`, `insert`, `extend`, `index`, and `in` methods on the list.

```
C:\> Users > xxjfg > Desktop > Ejercicios_A21_A22_A23.py > ...

28
29 EJERCICIOS A22.
30
31 def multiplica(num1, num2, num3):
32     return num1 * num2 * num3
33
34 print("\n*** Ejercicios A22: *****\n")
35 print(">>> Funcion multiplicacion.")
36 print(multiplica(1, 2, 3))
37 lista = ["Juan", "Francisco", "Pablo", "Diego", "Alejandro"]
38 print(">>> Lista y porcion de lista.")
39 print(lista)
40 print(lista[1:4])
41
42
43 EJERCICIOS A23.
44
45 print("\n*** Ejercicios A23: *****\n")
46
47 print(">>> Append.")
48 lista.append("Miguel")
49 print(lista)
50 print(">>> Insert.")
51 lista.insert(2, "Gallo")
52 print(lista)
53 print(">>> Extend.")
54 lista.extend(["Pedro", "Luis", "Manuel"])
55 print(lista)
56 print(">>> Index.")
57 print(lista.index("Gallo"))
58 print(">>> In.")
59 print("Pablo" in lista)
```

[Running] python -u "c:\Users\xxjfg\Desktop\Ejercicios_A21_A22_A23.py"

```
*** Ejercicios A21: *****

>>> Funcion suma.
12
>>> Funcion suma (return).
12
>>> Funcion cambio valores.
Valor de variables (inicio): a = 3 b = 4
Valor de variables (cambio a "a"): a = 4 b = 4
Valor de variables (cambio a "b"): a = 4 b = 5

*** Ejercicios A22: *****

>>> Funcion multiplicacion.
6
>>> Lista y porcion de lista.
['Juan', 'Francisco', 'Pablo', 'Diego', 'Alejandro']
['Francisco', 'Pablo', 'Diego']

*** Ejercicios A23: *****

>>> Append.
['Juan', 'Francisco', 'Pablo', 'Diego', 'Alejandro', 'Miguel']
>>> Insert.
['Juan', 'Francisco', 'Gallo', 'Pablo', 'Diego', 'Alejandro', 'Miguel']
>>> Extend.
['Juan', 'Francisco', 'Gallo', 'Pablo', 'Diego', 'Alejandro', 'Miguel', 'Pedro', 'Luis', 'Manuel']
>>> Index.
2
>>> In.
True

[Done] exited with code=0 in 0.171 seconds
```