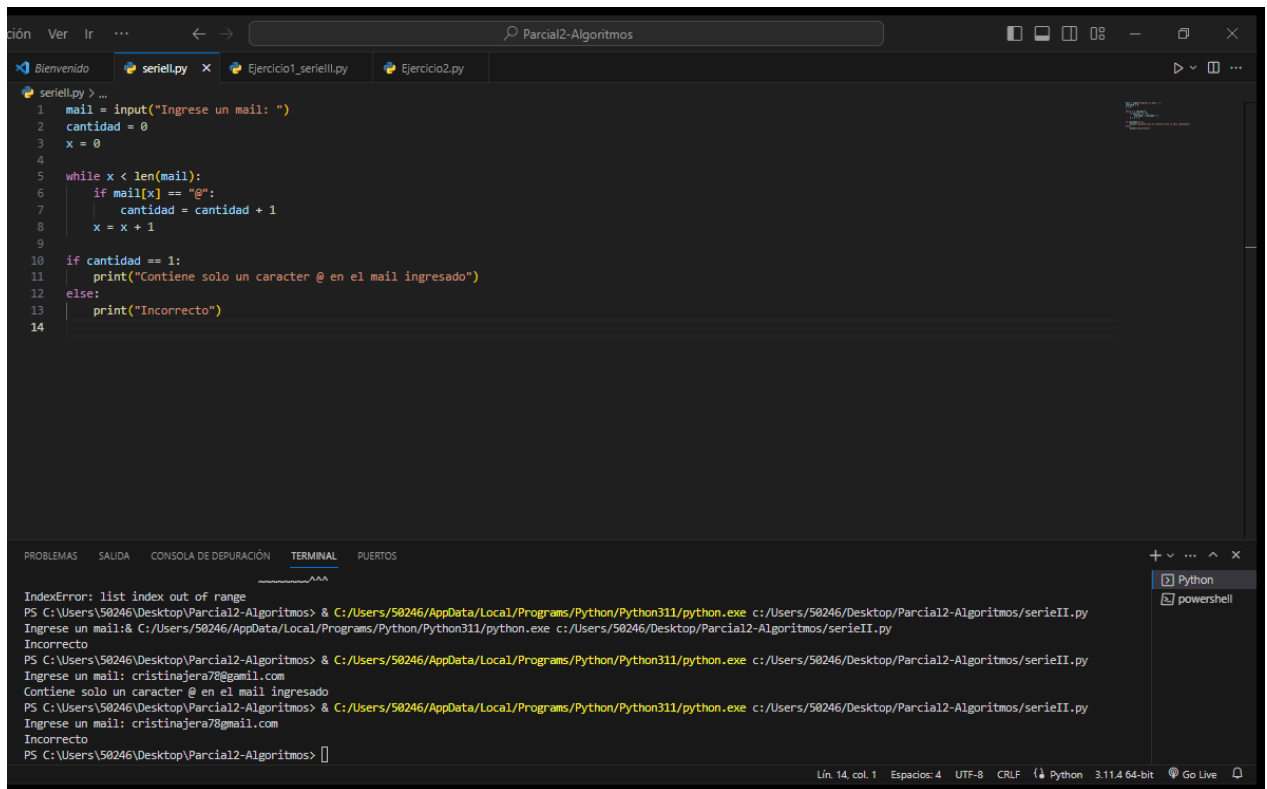


## Ejercicio serie II-corrección de código



The image shows a Visual Studio Code editor window with a dark theme. The editor has three tabs open: 'Bienvenido', 'serieII.py', and 'Ejercicio1\_serieIII.py'. The 'serieII.py' tab is active, displaying a Python script. The script is as follows:

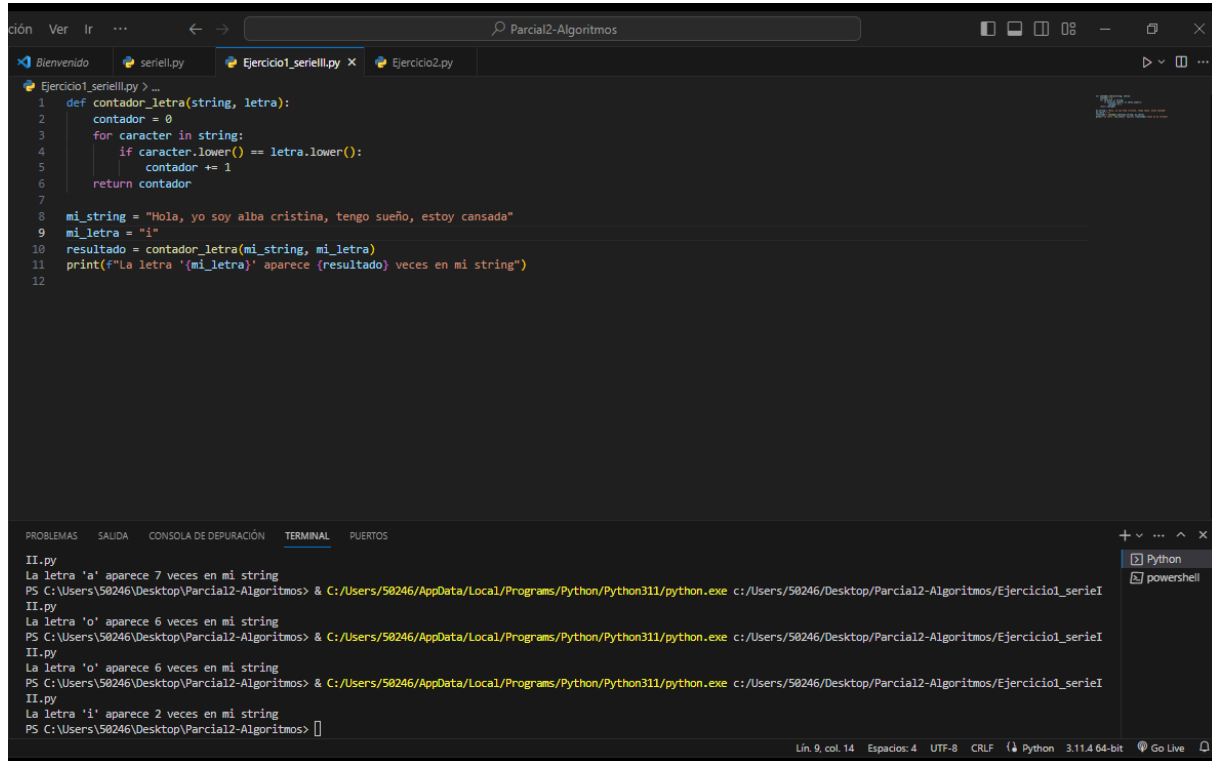
```
1 mail = input("Ingrese un mail: ")
2 cantidad = 0
3 x = 0
4
5 while x < len(mail):
6     if mail[x] == "@":
7         cantidad = cantidad + 1
8         x = x + 1
9
10 if cantidad == 1:
11     print("Contiene solo un caracter @ en el mail ingresado")
12 else:
13     print("Incorrecto")
14
```

Below the editor, the 'TERMINAL' panel is open, showing the execution of the script. The terminal output is as follows:

```
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/serieII.py
Ingrese un mail:& C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/serieII.py
Incorrecto
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/serieII.py
Ingrese un mail: cristinajera78@gmail.com
Contiene solo un caracter @ en el mail ingresado
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/serieII.py
Ingrese un mail: cristinajera78@gmail.com
Incorrecto
PS C:\Users\50246\Desktop\Parcial2-Algoritmos>
```

The terminal also shows a 'IndexError: list index out of range' message at the top, which is likely a result of the script's execution. The status bar at the bottom indicates the current line and column (Lín. 14, col. 1), the encoding (UTF-8), the line ending (CRLF), and the Python version (3.11.4 64-bit).

## Ejercicio1-serieIII, contar,letra,string



The screenshot shows a Python IDE with a file named 'Ejercicio1\_serieIII.py'. The code defines a function 'contador\_letra' that counts the occurrences of a specific letter in a string. The function iterates through each character in the string and increments a counter if the character matches the target letter (case-insensitive). The script then uses this function to count the occurrences of 'a', 'o', and 'i' in the string 'Hola, yo soy alba cristina, tengo sueño, estoy cansada'.

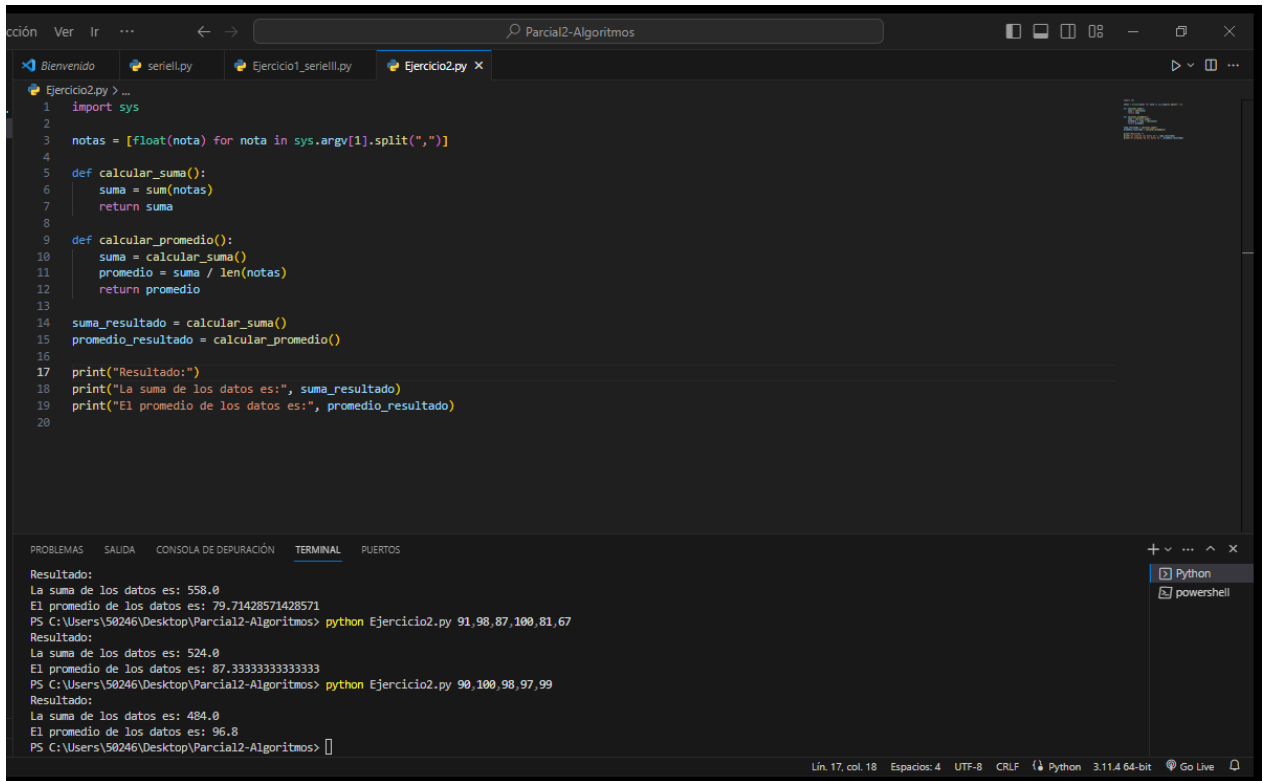
```
1 def contador_letra(string, letra):
2     contador = 0
3     for caracter in string:
4         if caracter.lower() == letra.lower():
5             contador += 1
6     return contador
7
8 mi_string = "Hola, yo soy alba cristina, tengo sueño, estoy cansada"
9 mi_letra = "i"
10 resultado = contador_letra(mi_string, mi_letra)
11 print(f"La letra '{mi_letra}' aparece {resultado} veces en mi string")
12
```

The terminal output shows the execution of the script, displaying the count for each letter:

```
II.py
La letra 'a' aparece 7 veces en mi string
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/Ejercicio1_serieI
II.py
La letra 'o' aparece 6 veces en mi string
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/Ejercicio1_serieI
II.py
La letra 'o' aparece 6 veces en mi string
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> & C:/Users/50246/AppData/Local/Programs/Python/Python311/python.exe c:/Users/50246/Desktop/Parcial2-Algoritmos/Ejercicio1_serieI
II.py
La letra 'i' aparece 2 veces en mi string
PS C:\Users\50246\Desktop\Parcial2-Algoritmos>
```

The status bar at the bottom indicates the current line is 9, column 14, with 4 spaces, using UTF-8 encoding and CRLF line endings. The Python version is 3.11.4 64-bit.

## Ejercicio 2-serieIII



The image shows a Visual Studio Code editor window with a Python script named `Ejercicio2.py` and its execution results in the terminal.

**Python Script (`Ejercicio2.py`):**

```
1 import sys
2
3 notas = [float(nota) for nota in sys.argv[1].split(",")]
4
5 def calcular_suma():
6     suma = sum(notas)
7     return suma
8
9 def calcular_promedio():
10     suma = calcular_suma()
11     promedio = suma / len(notas)
12     return promedio
13
14 suma_resultado = calcular_suma()
15 promedio_resultado = calcular_promedio()
16
17 print("Resultado:")
18 print("La suma de los datos es:", suma_resultado)
19 print("El promedio de los datos es:", promedio_resultado)
20
```

**Terminal Output:**

```
Resultado:
La suma de los datos es: 558.0
El promedio de los datos es: 79.71428571428571
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> python Ejercicio2.py 91,98,87,100,81,67
Resultado:
La suma de los datos es: 524.0
El promedio de los datos es: 87.33333333333333
PS C:\Users\50246\Desktop\Parcial2-Algoritmos> python Ejercicio2.py 90,100,98,97,99
Resultado:
La suma de los datos es: 484.0
El promedio de los datos es: 96.8
PS C:\Users\50246\Desktop\Parcial2-Algoritmos>
```

The terminal shows the execution of the script for three different input strings: `91,98,87,100,81,67`, `90,100,98,97,99`, and `90,100,98,97,99`. The output for each execution shows the sum and the average of the numbers.