

Micro1

The screenshot displays the Visual Studio Code interface. The main editor window contains a file named `estruturas_condicao1.py` with the following Python code:

```
1 temperatura = 29
2
3 if temperatura < 30:
4     print('A temperatura hoje está amena')
5 else:
6     print('Hoje está fazendo calor')
```

The bottom panel shows the TERMINAL tab with the following commands and output:

```
P$ C:\Users\Matheus\Documents\Studies\cal2> & C:\Users\Matheus\AppData\Local\Programs\Python\Python112\python.exe c:\users\matheus\documents\studies\cal2\estruturas_condicao1.py
A temperatura hoje está amena
P$ C:\Users\Matheus\Documents\Studies\cal2>
```

The status bar at the very bottom indicates the current cursor position as "Ln 6, Col 38" and lists various settings like "Spaces: 2", "UTF-8", and "CR LF". It also shows icons for Go Live and other development tools.

The screenshot shows a Windows 10 desktop with a dark theme. The primary focus is the Visual Studio Code (VS Code) application, which is open with a file named `cal2`. The editor displays a Python script with the following code:

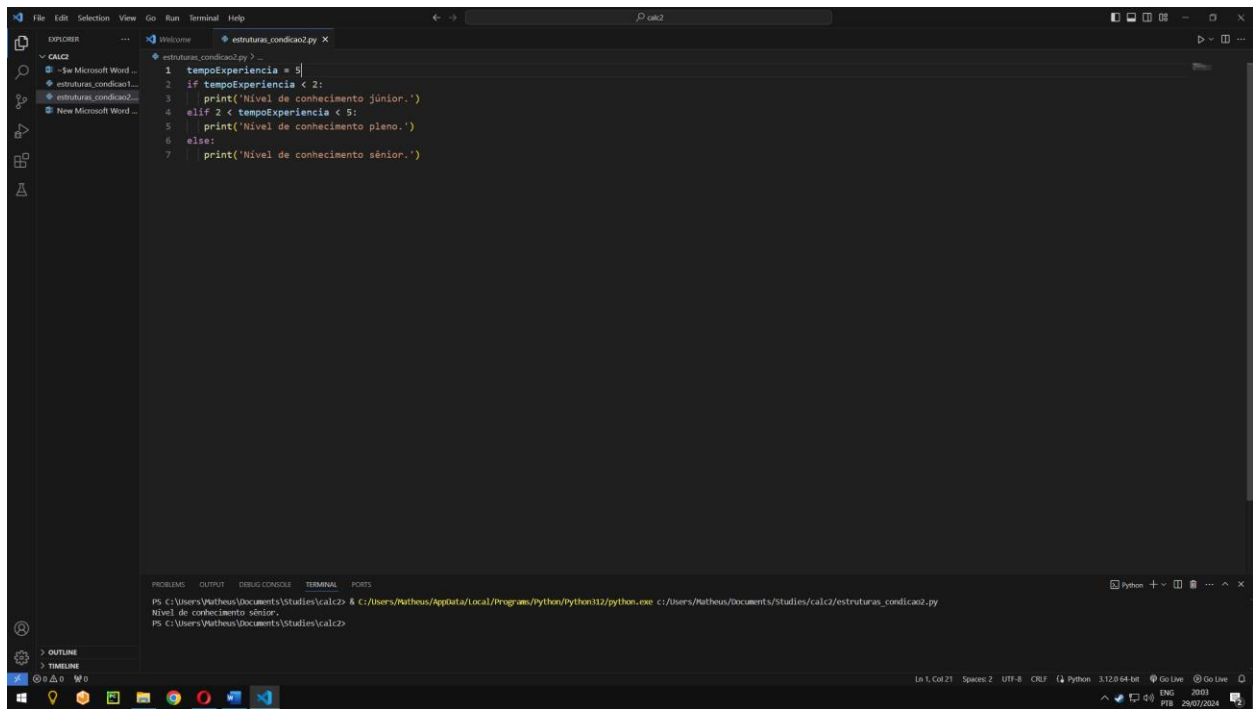
```
1 temperatura = 31
2
3 if temperatura < 30:
4     print('A temperatura hoje está amena')
5 else:
6     print('Hoje está fazendo calor')
```

Below the editor, the TERMINAL panel is active, showing the command prompt output:

```
PS C:\Users\Matheus\Documents\Studies\cal2> & C:\Users\Matheus\AppData\Local\Programs\Python\Python12\python.exe c:\Users\Matheus\Documents\Studies\cal2\estruturas_condicao1.py
Hoje está fazendo calor
PS C:\Users\Matheus\Documents\Studies\cal2>
```

The Windows taskbar at the bottom includes the Start button, a search bar, and several pinned application icons: File Explorer, Google Chrome, Microsoft Edge, and VS Code. The system tray on the right shows the date and time as 15:57 on 29/03/2024, along with icons for network, volume, and power.

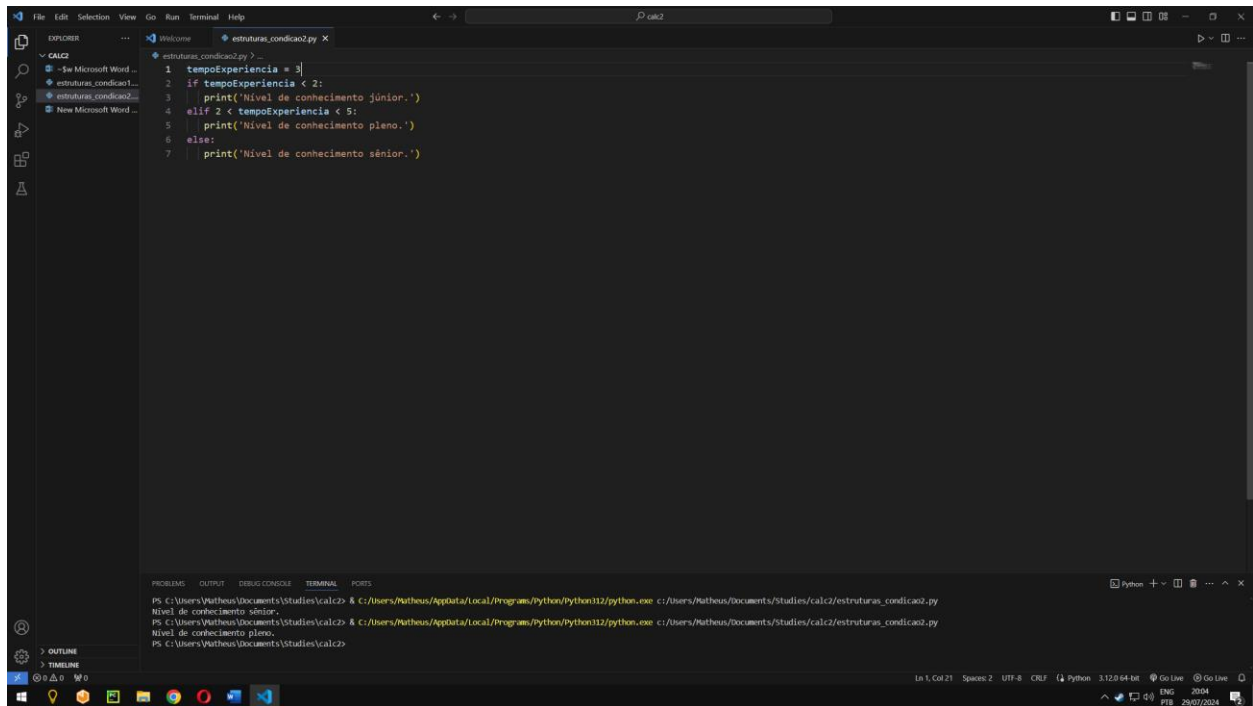
Micro2



```
File Edit Selection View Go Run Terminal Help
EXPLORER
- Welcome
- estruturas_condicao2.py x
- CALIC2
- $ - Microsoft Word ...
- estruturas_condicao1...
- estruturas_condicao2...
- New Microsoft Word ...

1 tempoExperiencia = 5
2 if tempoExperiencia < 2:
3     print('Nível de conhecimento júnior.')
4 elif 2 < tempoExperiencia < 5:
5     print('Nível de conhecimento pleno.')
6 else:
7     print('Nível de conhecimento sênior.')

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python + - - - - -
PS C:\Users\Matheus\Documents\Studies\calic2> & C:\Users\Matheus\AppData\Local\Program\Python\Python312\python.exe c:\Users\Matheus\Documents\Studies\calic2\estruturas_condicao2.py
Nível de conhecimento sênior.
PS C:\Users\Matheus\Documents\Studies\calic2>
```

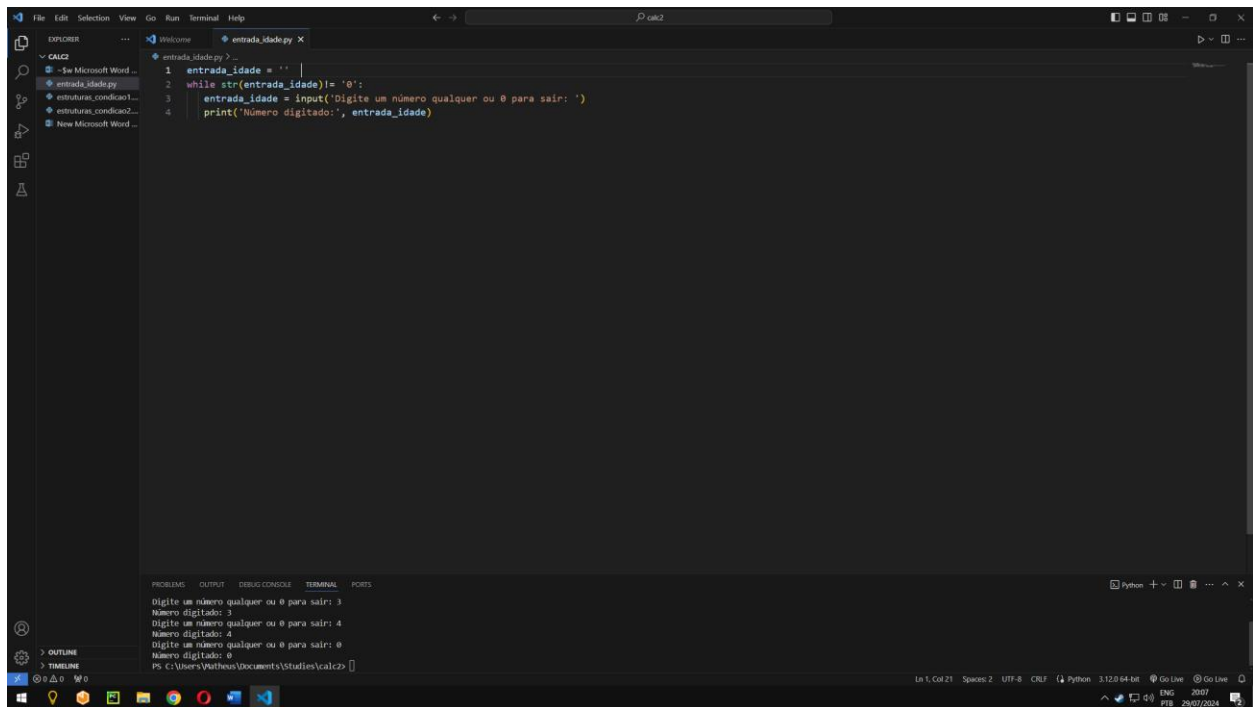


```
File Edit Selection View Go Run Terminal Help
EXPLORER
- Welcome
- estruturas_condicao2.py x
- CALIC2
- $ - Microsoft Word ...
- estruturas_condicao1...
- estruturas_condicao2...
- New Microsoft Word ...

1 tempoExperiencia = 3
2 if tempoExperiencia < 2:
3     print('Nível de conhecimento júnior.')
4 elif 2 < tempoExperiencia < 5:
5     print('Nível de conhecimento pleno.')
6 else:
7     print('Nível de conhecimento sênior.')

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python + - - - - -
PS C:\Users\Matheus\Documents\Studies\calic2> & C:\Users\Matheus\AppData\Local\Program\Python\Python312\python.exe c:\Users\Matheus\Documents\Studies\calic2\estruturas_condicao2.py
Nível de conhecimento pleno.
PS C:\Users\Matheus\Documents\Studies\calic2>
```

Micro3



The image shows a Visual Studio Code editor window with a Python file named `entrada_idade.py` open. The code is a simple loop that prompts the user for an age and prints it. The terminal at the bottom shows the output of the program, indicating it has been executed successfully.

```
1 entrada_idade = ''
2 while str(entrada_idade) != '0':
3     entrada_idade = input('Digite um número qualquer ou 0 para sair: ')
4     print('Número digitado:', entrada_idade)
```

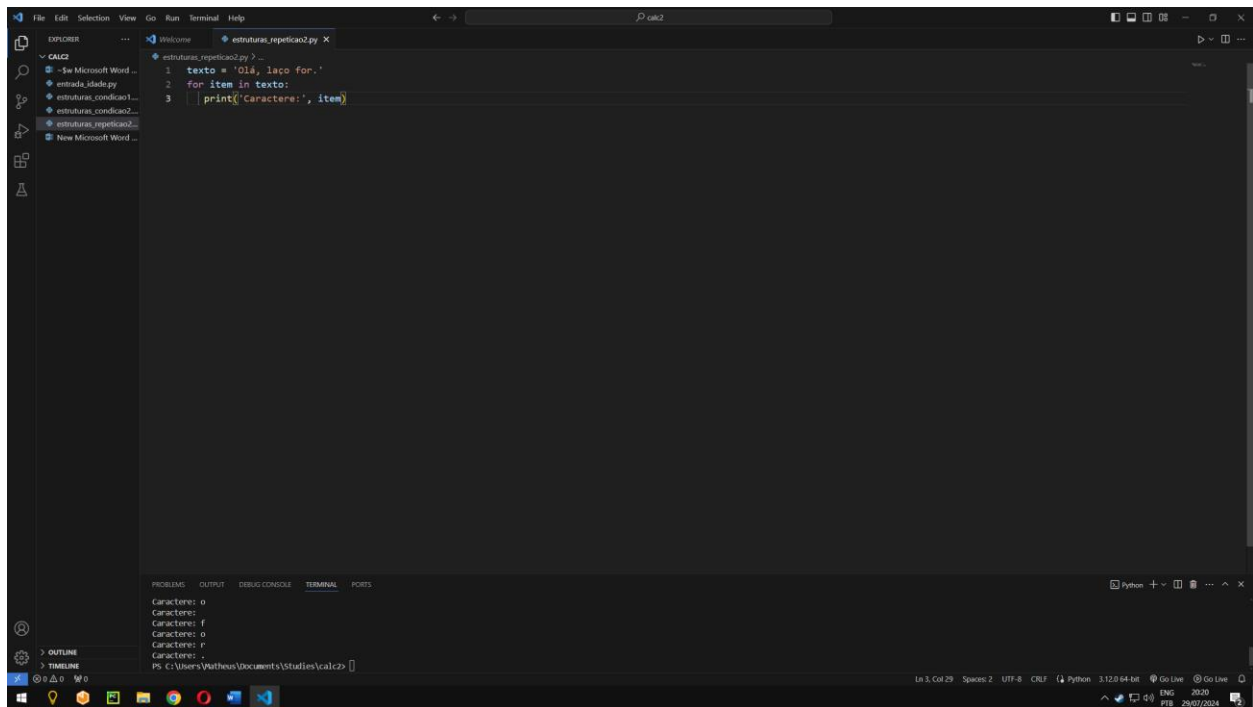
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Digite um número qualquer ou 0 para sair: 3
Número digitado: 3
Digite um número qualquer ou 0 para sair: 4
Número digitado: 4
Digite um número qualquer ou 0 para sair: 0
Número digitado: 0

Ps. C:\Users\Parthiva\Documents\Studies\calc22

Ln 1, Col 21 | Spaces: 2 | UTF-8 | CRLF | Python 3.12.0 64-bit | Go Live | Go Live | 2027 FEB 29/07/2024

Micro4

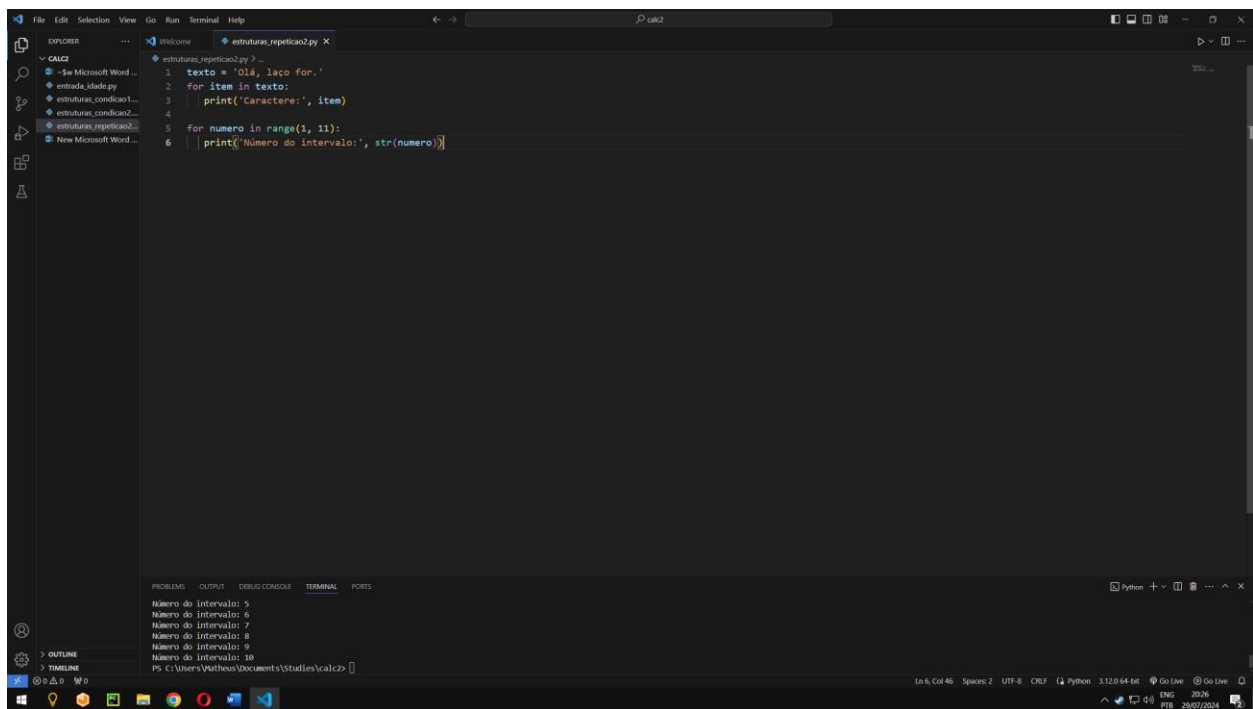


The screenshot shows a Visual Studio Code editor with a Python file named `estruturas_repeticao2.py`. The code defines a string `texto = 'Olá, láço for.'` and iterates over each character using a `for` loop to print them. The terminal output shows the characters being printed one by one.

```
1 texto = 'Olá, láço for.'
2 for item in texto:
3     print('Caractere:', item)
```

Terminal Output:

```
Caractere: o
Caractere: l
Caractere: á
Caractere: ,
Caractere: 
Caractere: l
Caractere: a
Caractere: ç
Caractere: o
Caractere: .
Caractere: f
Caractere: o
Caractere: r
Caractere: .
```



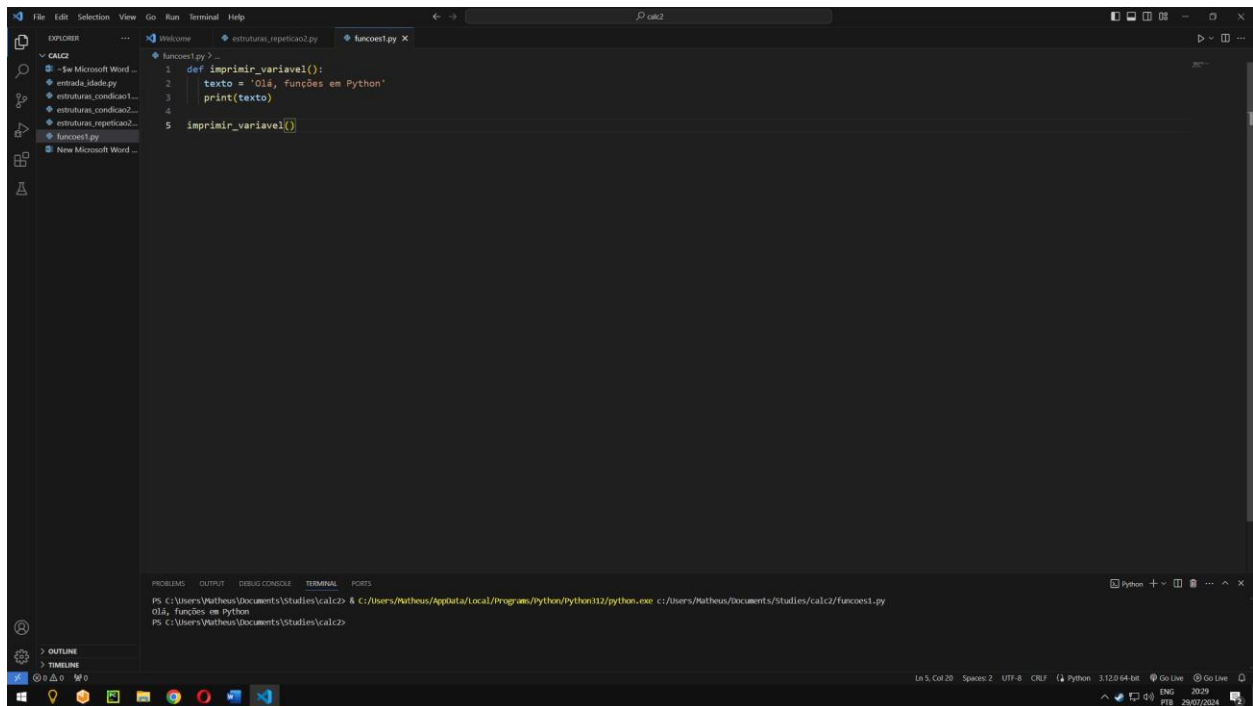
The screenshot shows the same Visual Studio Code editor with the same Python file. The code now includes a second loop that prints numbers from 1 to 10. The terminal output shows the numbers being printed.

```
1 texto = 'Olá, láço for.'
2 for item in texto:
3     print('Caractere:', item)
4
5 for numero in range(1, 11):
6     print('Número do intervalo:', str(numero))
```

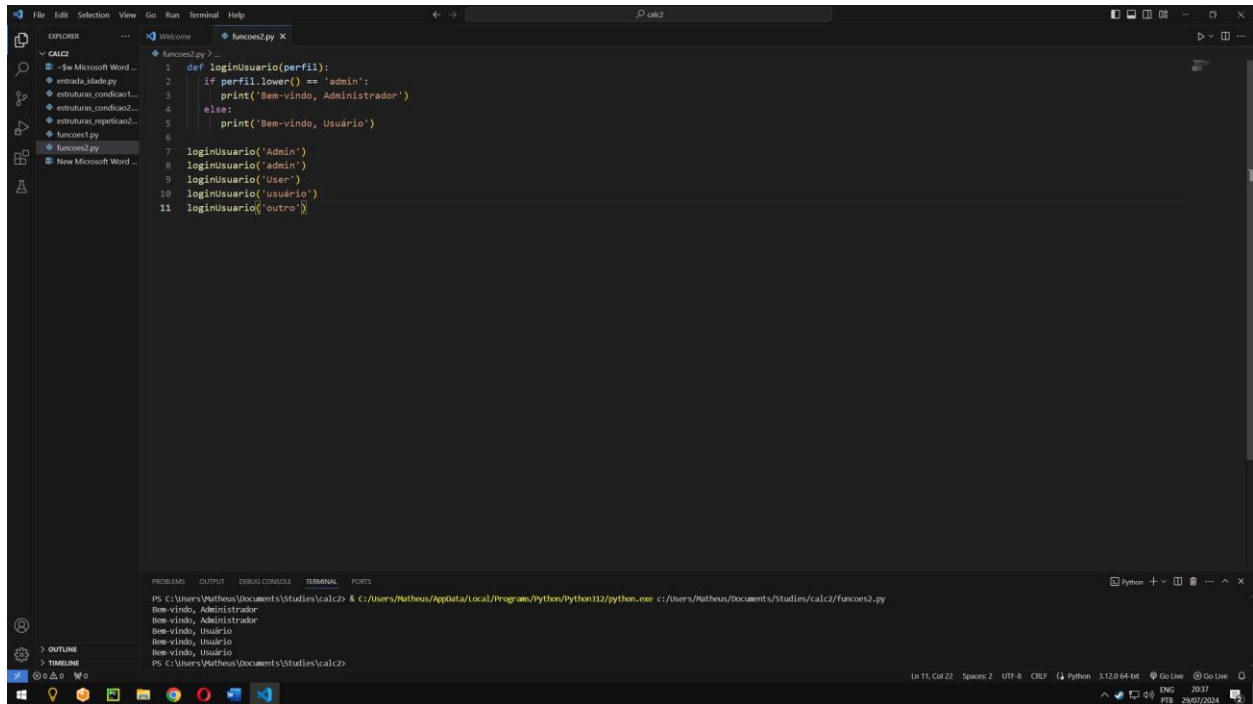
Terminal Output:

```
Número do intervalo: 5
Número do intervalo: 6
Número do intervalo: 7
Número do intervalo: 8
Número do intervalo: 9
Número do intervalo: 10
```

Micro5



Micro6



The screenshot shows a Python IDE with a dark theme. The Explorer panel on the left shows a project named 'CALC2' with several files, including 'funcoes2.py'. The main editor displays the code for 'funcoes2.py', which defines a 'loginUsuario' function and calls it with various usernames. The terminal at the bottom shows the command to run the script and the resulting output.

```
1 def loginUsuario(perfil):
2     if perfil.lower() == 'admin':
3         print('Bem-vindo, Administrador')
4     else:
5         print('Bem-vindo, Usuário')
6
7 loginUsuario('Admin')
8 loginUsuario('admin')
9 loginUsuario('User')
10 loginUsuario('usuário')
11 loginUsuario('outro')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Nathheus\Documents\Studies\calc2> & C:\Users\Nathheus\AppData\Local\Programs\Python\Python312\python.exe c:\Users\Nathheus\Documents\Studies\calc2\funcoes2.py
Bem-vindo, Administrador
Bem-vindo, Administrador
Bem-vindo, Usuário
Bem-vindo, Usuário
Bem-vindo, Usuário
Bem-vindo, Usuário
PS C:\Users\Nathheus\Documents\Studies\calc2>
```

Ln 11, Col 22 Spaces: 2 UTF-8 CRLF Python 3.12.0 64-bit Go Live ENG 2017 29/07/2024