

Micro1

The screenshot shows a Visual Studio Code editor window with a Python file named `estruturas_condicao1.py`. The code defines a variable `temperatura = 29` and uses an `if` statement to check if it is less than 30. Since the condition is true, it prints `A temperatura hoje está amena`. The output of the script is visible in the terminal at the bottom of the editor.

```

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

```

The terminal output shows the command to run the script and the resulting output:

```

PS 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
PS C:\Users\Matheus\Documents\Studies\cal2>

```

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:

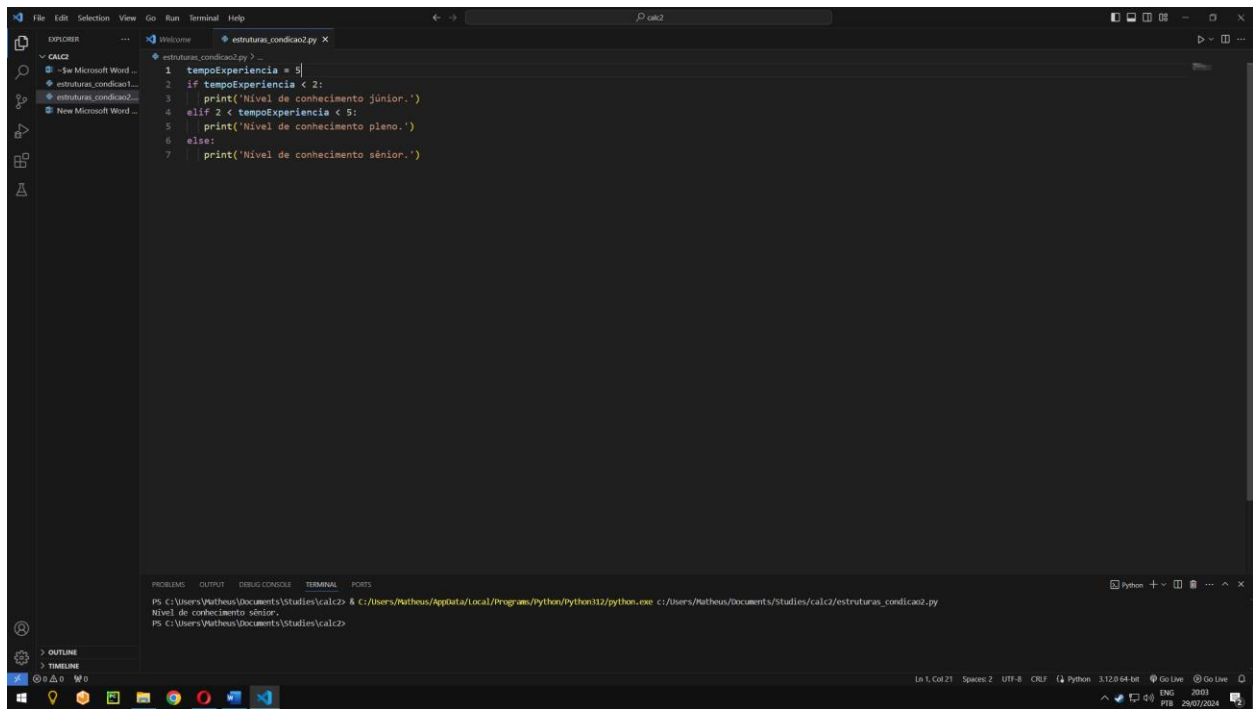
```
1 temperatura = 31
2
3 if temperatura < 30:
4     print('A temperatura hoje está amena')
5 else:
6     print('Hoje está fazendo calor')]
```

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.

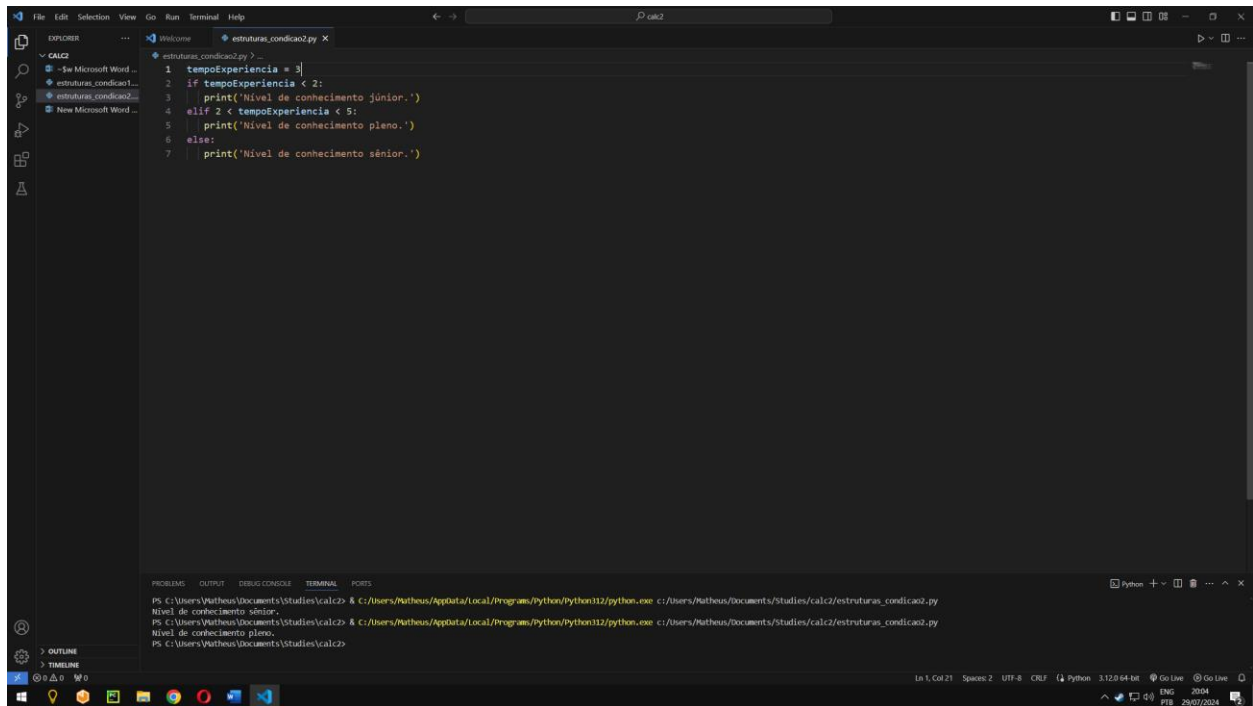
## Micro2



```
File Edit Selection View Go Run Terminal Help
EXPLORER
- Welcome
- estruturas_condicao2.py x
CALC2
- $ - 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\calc2> & C:\Users\Matheus\AppData\Local\Program\Python\Python112\python.exe c:\Users\Matheus\Documents\Studies\calc2\estruturas_condicao2.py
Nível de conhecimento sênior.
PS C:\Users\Matheus\Documents\Studies\calc2>
```

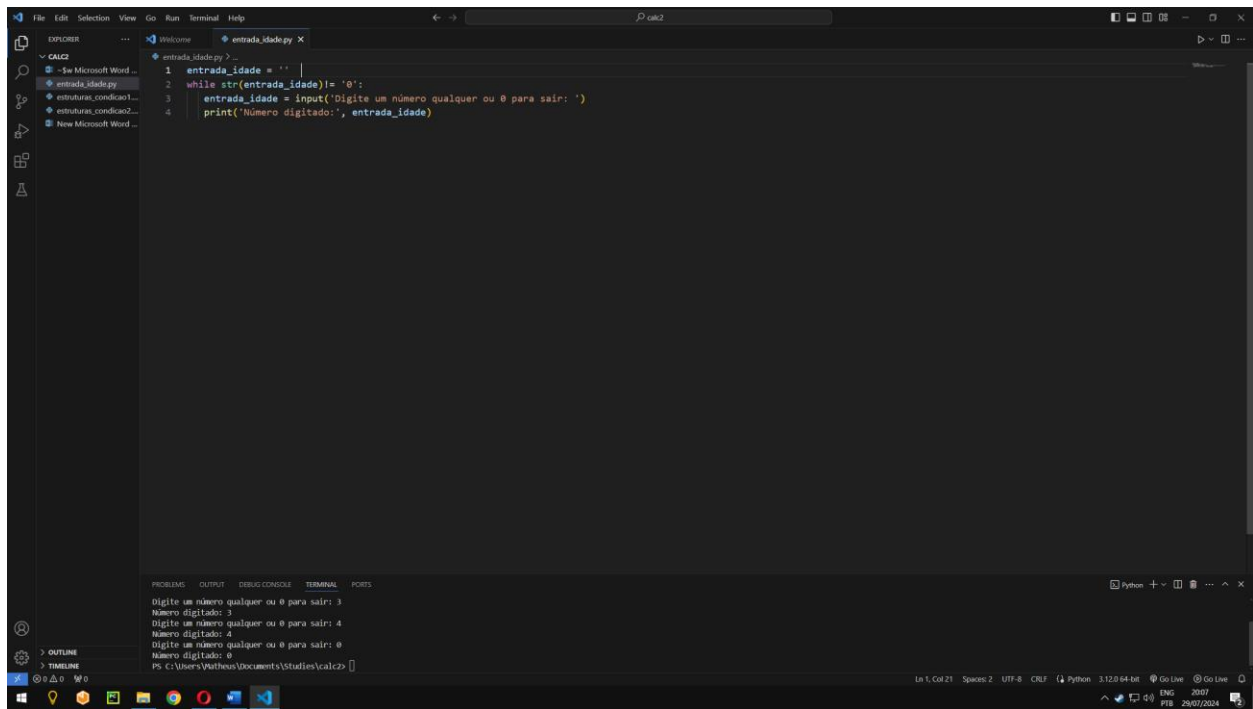


```
File Edit Selection View Go Run Terminal Help
EXPLORER
- Welcome
- estruturas_condicao2.py x
CALC2
- $ - Microsoft Word ...
- estruturas_condicao1...
- estruturas_condicao2...
- New Microsoft Word ...

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\calc2> & C:\Users\Matheus\AppData\Local\Program\Python\Python112\python.exe c:\Users\Matheus\Documents\Studies\calc2\estruturas_condicao2.py
Nível de conhecimento pleno.
PS C:\Users\Matheus\Documents\Studies\calc2>
```

## Micro3



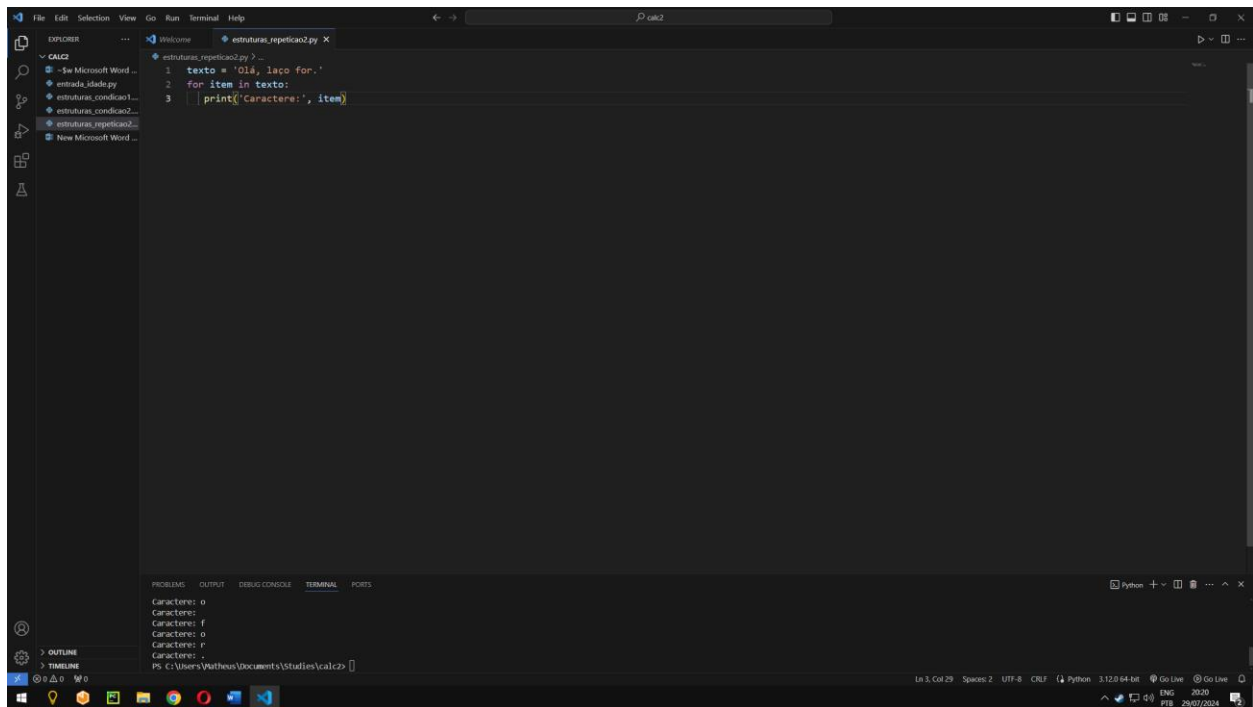
```
File Edit Selection View Go Run Terminal Help
EXPLORER
- $ Microsoft Word ...
- entrada_idade.py
- estruturas_condicao1...
- estruturas_condicao2...
- New Microsoft Word ...

entrada_idade.py
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
Python + - - - - -
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

La 1, Col 21 - Spaces: 2 - UTF-8 - CRLF - Python 3.12.0 64-bit - Go Live - Go Live - ENG 2007 FEB 29/07/2024
```

## Micro4

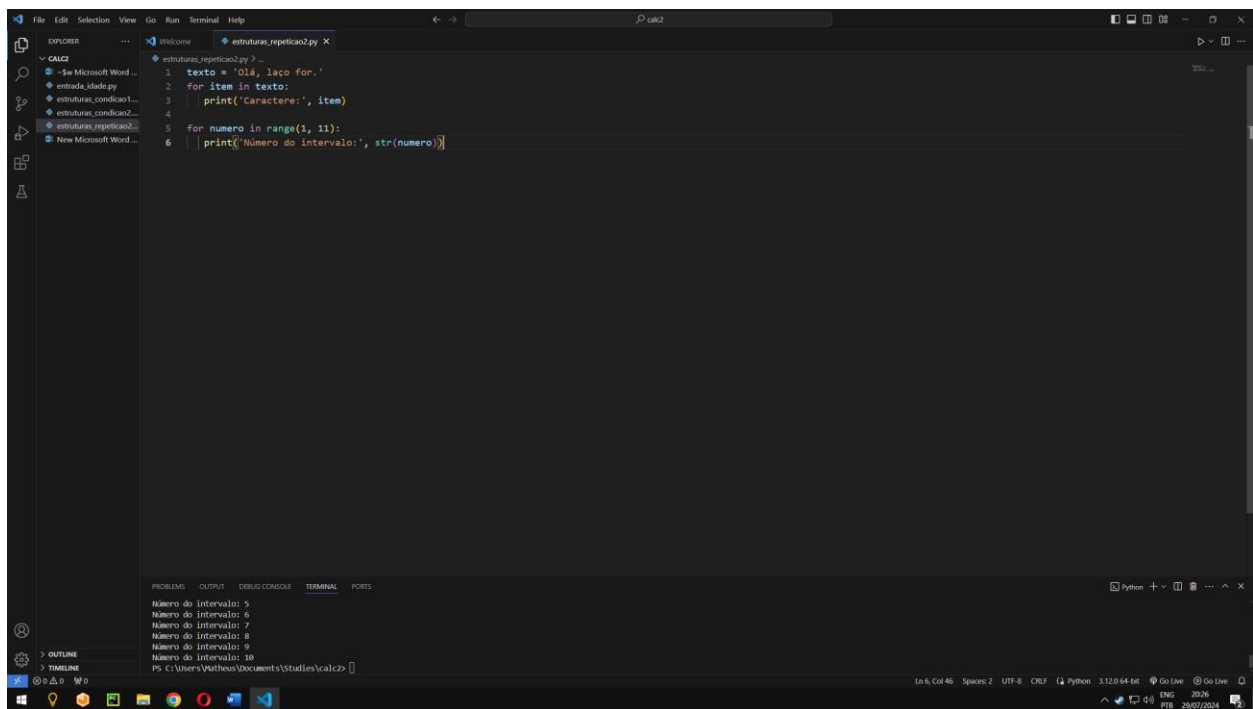


The screenshot shows a Visual Studio Code editor with a Python file named `estruturas_repeticao2.py`. The code defines a string `texto = 'Olá, láço for.'` and iterates over each character using a `for` loop to print them. The terminal output shows the characters being printed one by one.

```
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: á
Caractere: c
Caractere: o
Caractere: .
Caractere: f
Caractere: o
Caractere: r
Caractere: .
```



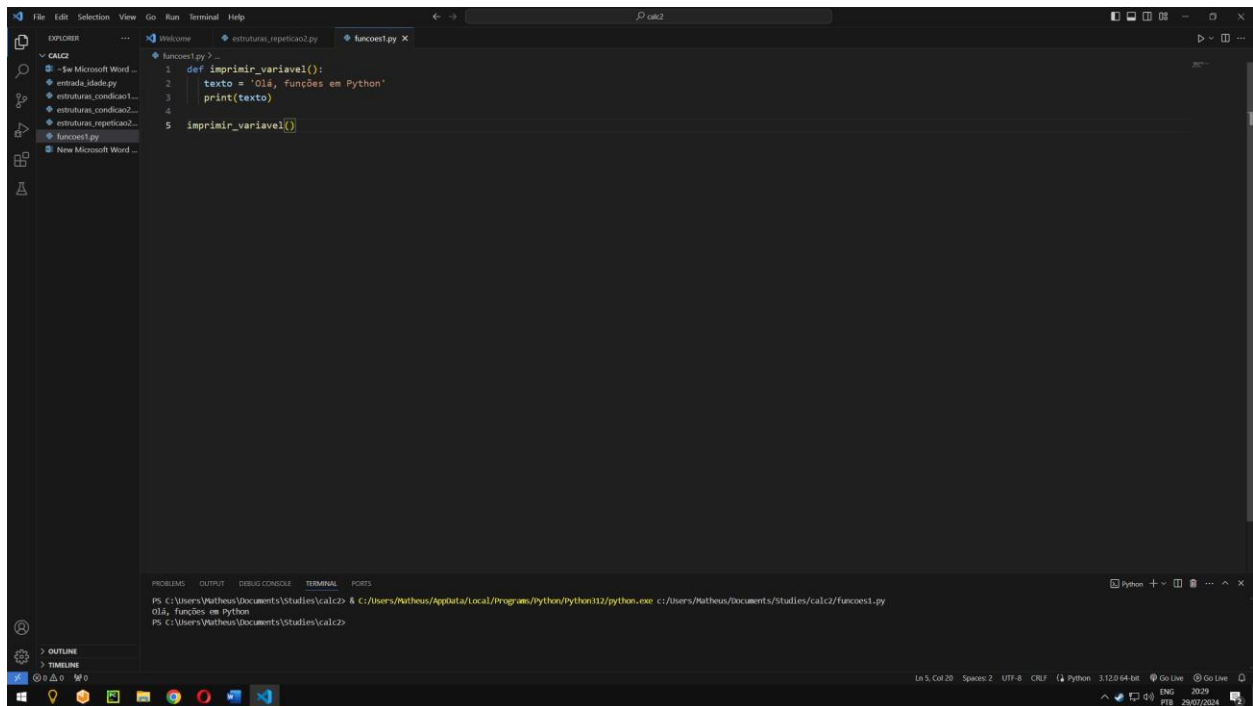
The screenshot shows the same Visual Studio Code editor with the same Python file. The code now includes a second loop that prints numbers from 1 to 10. The terminal output shows the numbers being printed.

```
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))
```

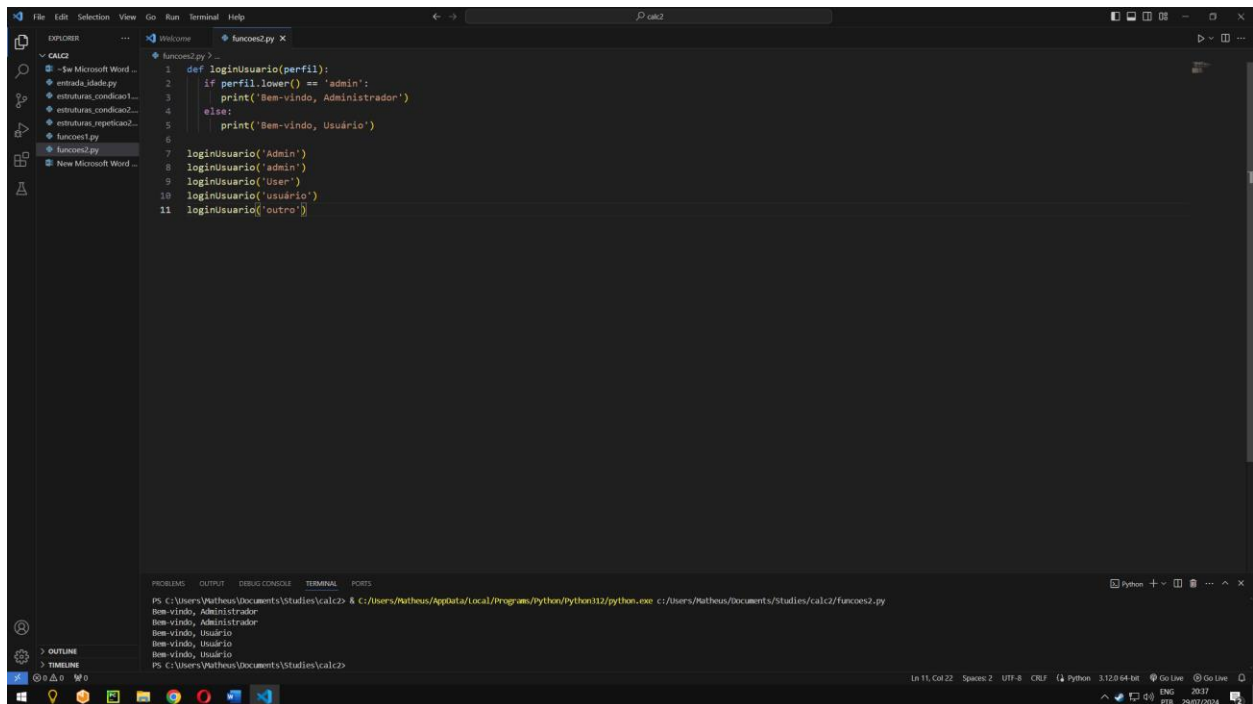
Terminal Output:

```
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 image shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project named 'CALC2' with several files, including 'funcoes2.py'. The main editor area displays the code for 'funcoes2.py':

```
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')
```

At the bottom, the Terminal panel shows the command prompt output after running the script:

```
PS C:\Users\Matheus\Documents\Studies\calc2> & C:\Users\Matheus\AppData\Local\Programs\Python\Python312\python.exe c:\Users\Matheus\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\Matheus\Documents\Studies\calc2>
```

The status bar at the bottom indicates the current line is 11, column 22, with 2 spaces, UTF-8 encoding, and CRLF line endings. It also shows the Python version as 3.12.0 64-bit.

missao 2 :

[https://github.com/matheussdn/estacio/blob/main/prj2/calculadora\\_v2.py](https://github.com/matheussdn/estacio/blob/main/prj2/calculadora_v2.py)