

```
File Edit View Terminal Help
clase.py - test (Workspace)

clases > clase.py > year
import matplotlib.pyplot as plt
year = [1950, 1970, 1990, 2010]
pop = [2.519, 3.692, 5.563, 6.972]
plot1 = plt.scatter(year, pop)
plt.show()

TERMINAL DEBUG CONSOLE ... 1: Python
C:\Users\Andres\Desktop\Maestria UTDT\Trim
da activate base


C:\Users\Andres\Desktop\Maestria UTDT\Trim
/Users/Andres/Anaconda3/python.exe "c:/User
re 1/Finanzas desde Python/FinPy/clases/cla

C:\Users\Andres\Desktop\Maestria UTDT\Trim
/Users/Andres/Anaconda3/python.exe "c:/User
re 1/Finanzas desde Python/FinPy/clases/cla

Python: Current File (Integrated Terminal) (FinPy)
```

Text Processing Commands and Outputs

Are you tired of manually searching through files for information?
Text processing commands can help you streamline your workflow.
Let's get started!

 **by Thrinesh Dasari**

Displaying File Contents with Cat Command



Cat What?

The cat command displays the contents of a file in the terminal.



Display and Concatenate

It can also display multiple files, or concatenate files together.



Terminal Output

The output gets displayed in the terminal window, making it easy to read and search through.



Finding Patterns with Grep Command

1 Powerful Search

The grep command searches for a specific pattern within a file or files.

2 Regular Expressions

It can handle regular expressions to make the search more specific.

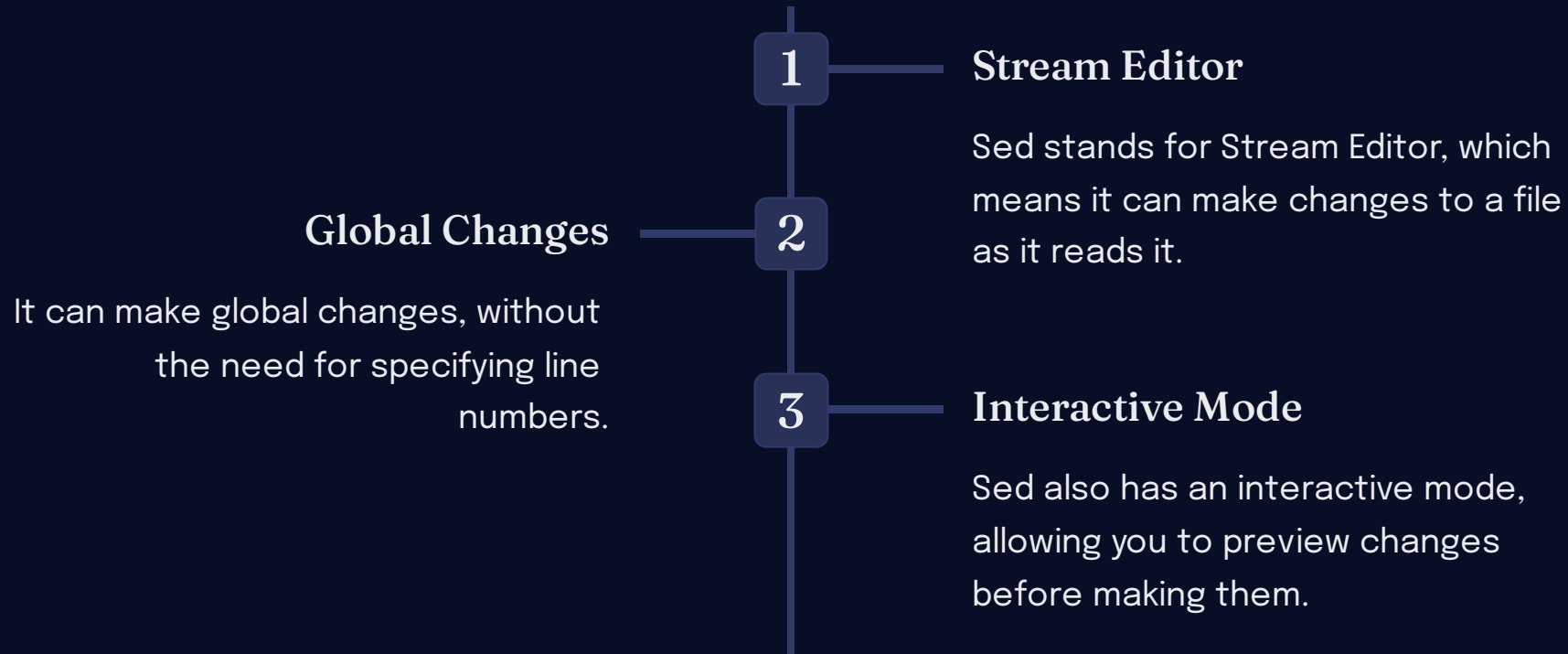
3 Multiple Files

You can also search through multiple files at once, making it easier to find information across a project.

4 Quick Edit

The command can also quickly edit and replace text within a file.

Text Manipulation with Sed Command



Text Substitution with Awk Command



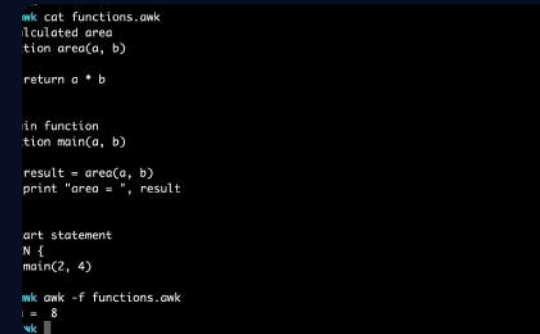
What's an Awk?

The awk command is a versatile programming language that excels at text processing.



Pattern Matching

It uses pattern matching to make specific edits to a file or display certain information.



Custom Code

With Awk, you can write custom code to perform complex text operations.

Counting Words, Lines, and Characters with Wc Command

Word Count

The `wc` command counts the number of words in a file or set of files.

Line Count

It can also count the number of lines, and display a breakdown of the number of characters in each line.

File Size

You can also use `wc` to count the file size, which can be useful for managing storage space.

Conclusion and Summary

Efficiency

Text processing commands can help you save time and effort, enabling rapid data processing and analysis.

Versatility

With so many commands and options available, there's almost nothing you can't accomplish with text processing.

Practice

Practice using these commands and experiment with different options to find what works best for you.