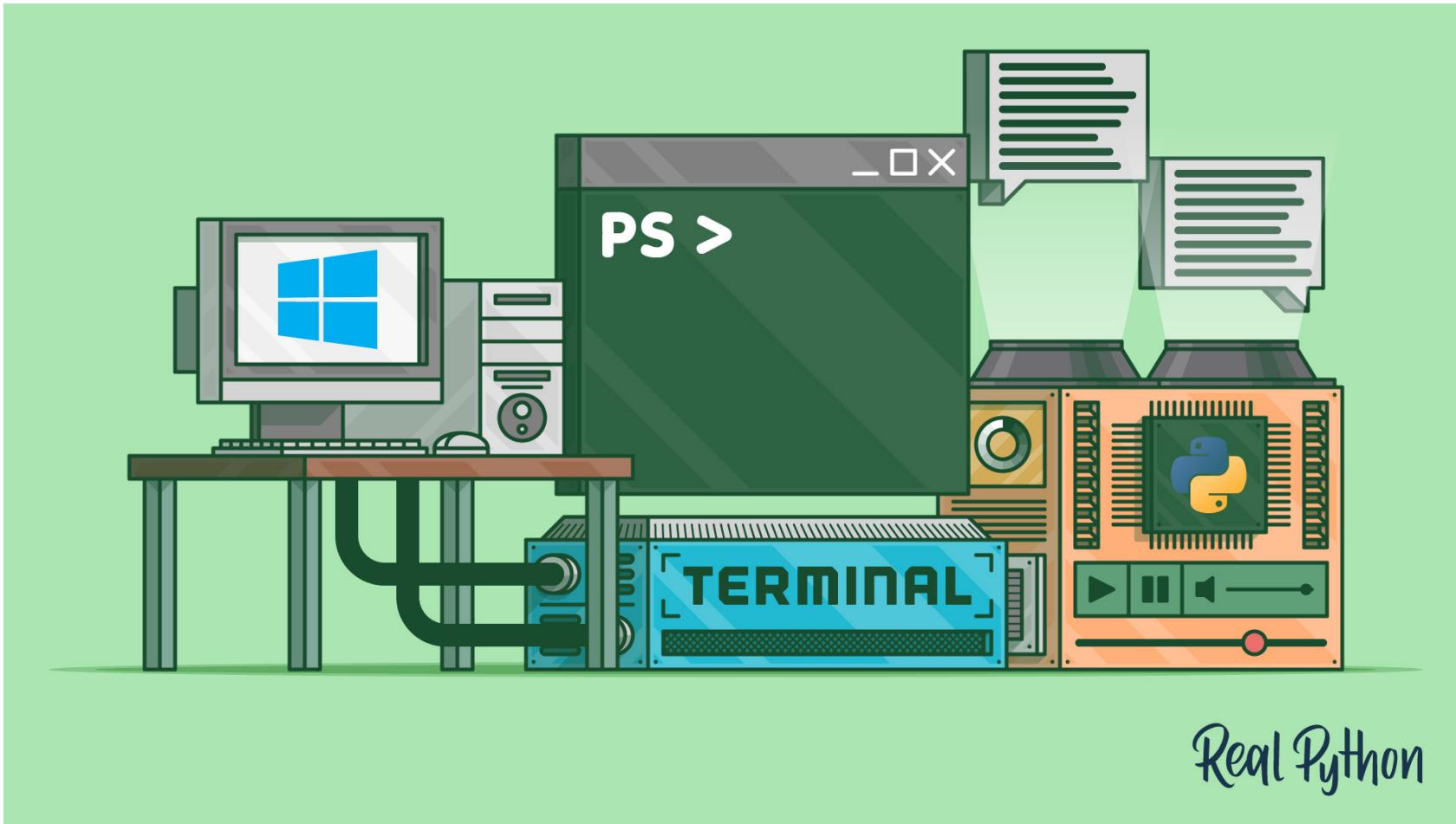
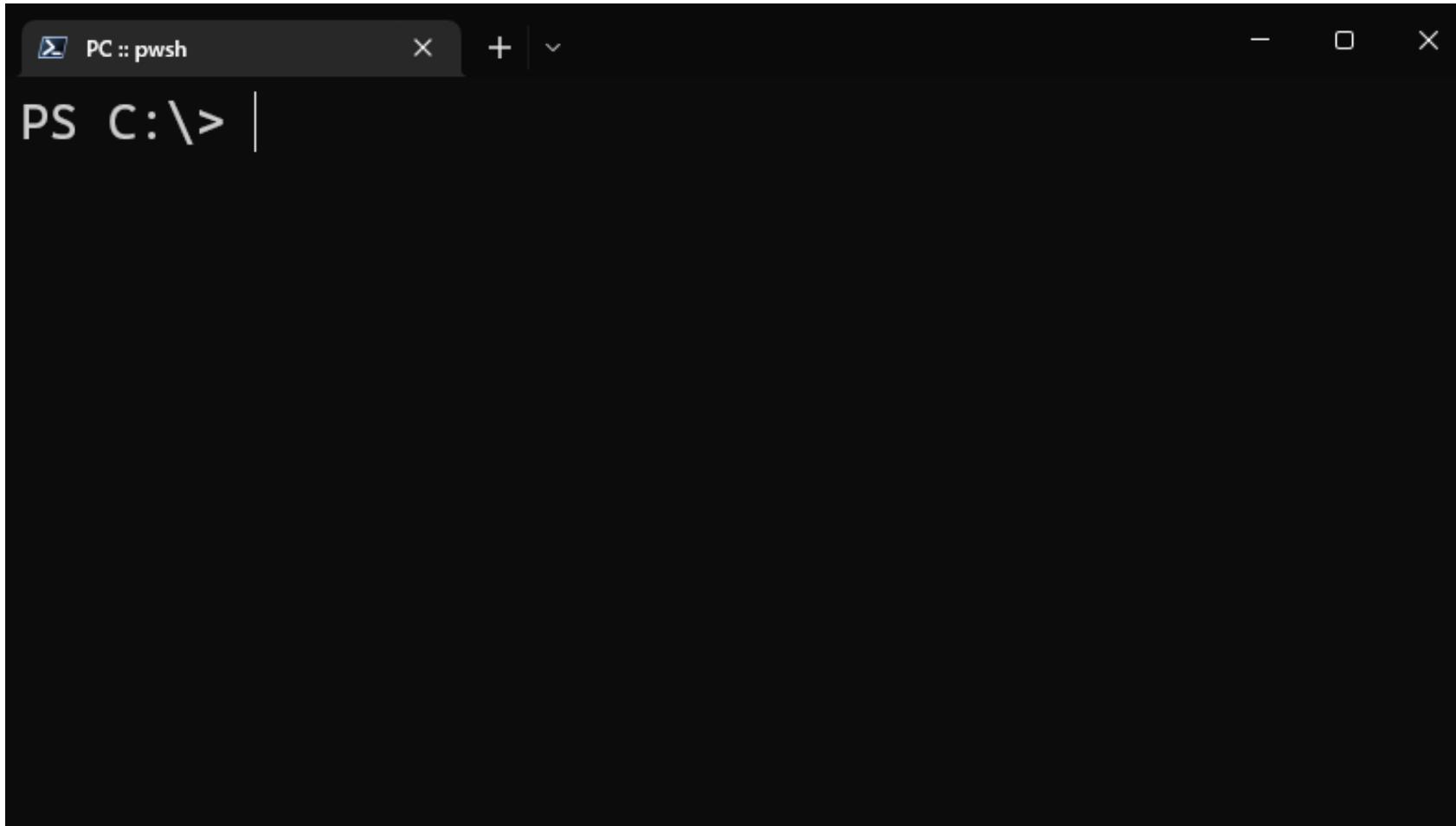


Using the Terminal on Windows



The Terminal? 🤔



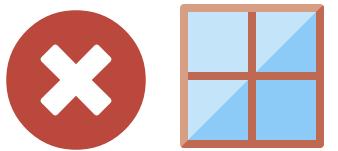
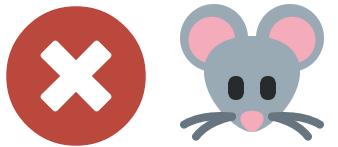
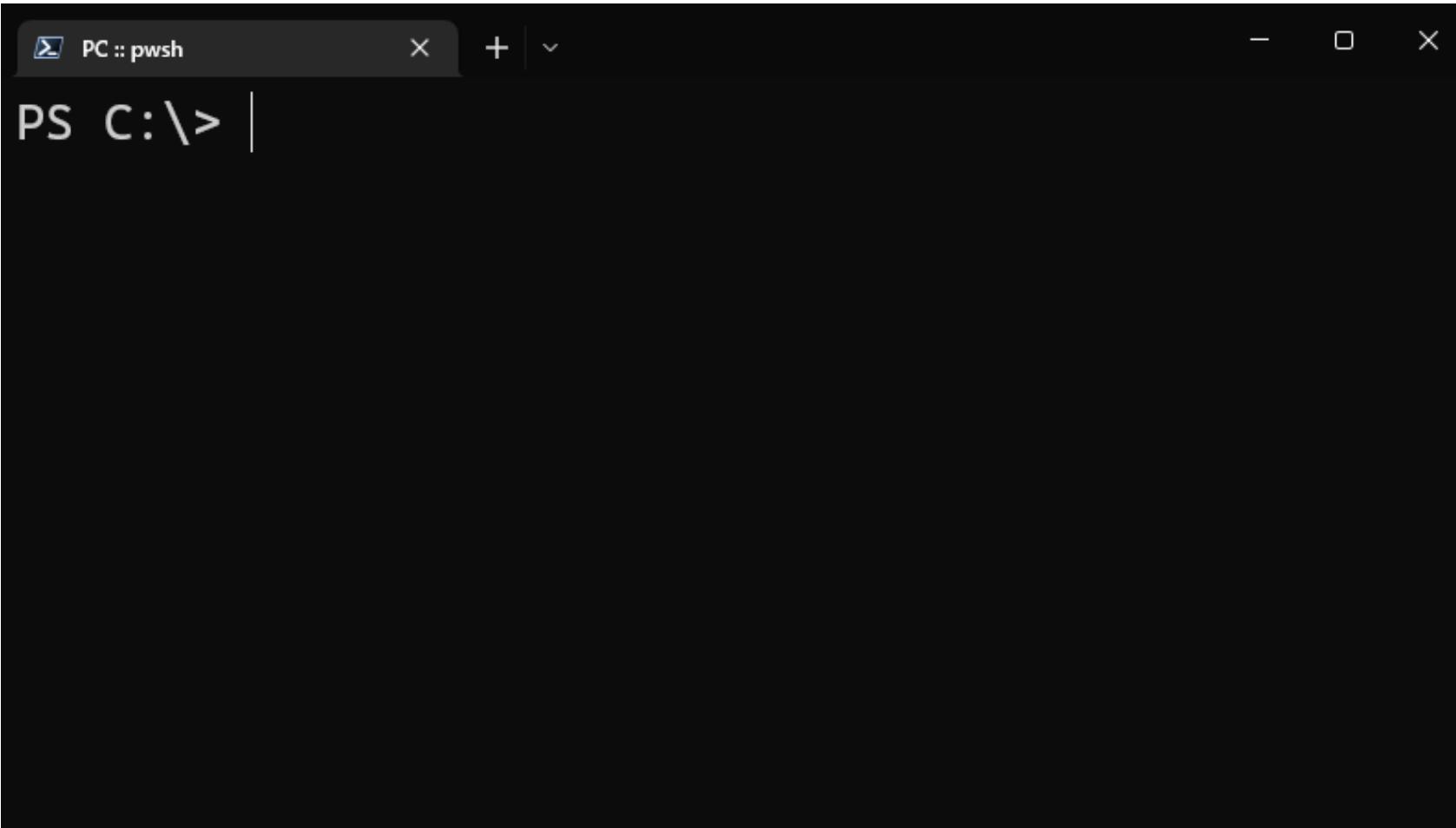


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- Run Python Files

The Terminal



Introducing the Terminal

Terminal Terms

Terminal Terms

?	!
Computer Terminal	Hardware to enter data into a computer
Terminal Emulator	A computer program that emulates the computer terminal.

Terminal Terms

?	!
Computer Terminal	Hardware to enter data into a computer
Terminal Emulator	A computer program that emulates the computer terminal.
Command Line Interface (CLI)	Text-based interaction layer between user and an application.
Shell	A program that provides the CLI.

Introducing the Terminal

- The **shell** provides the commands that you use in a **command line interface**.
- The **terminal** is the application you run to access the shell.



Revisiting the Commands

Test Your Knowledge

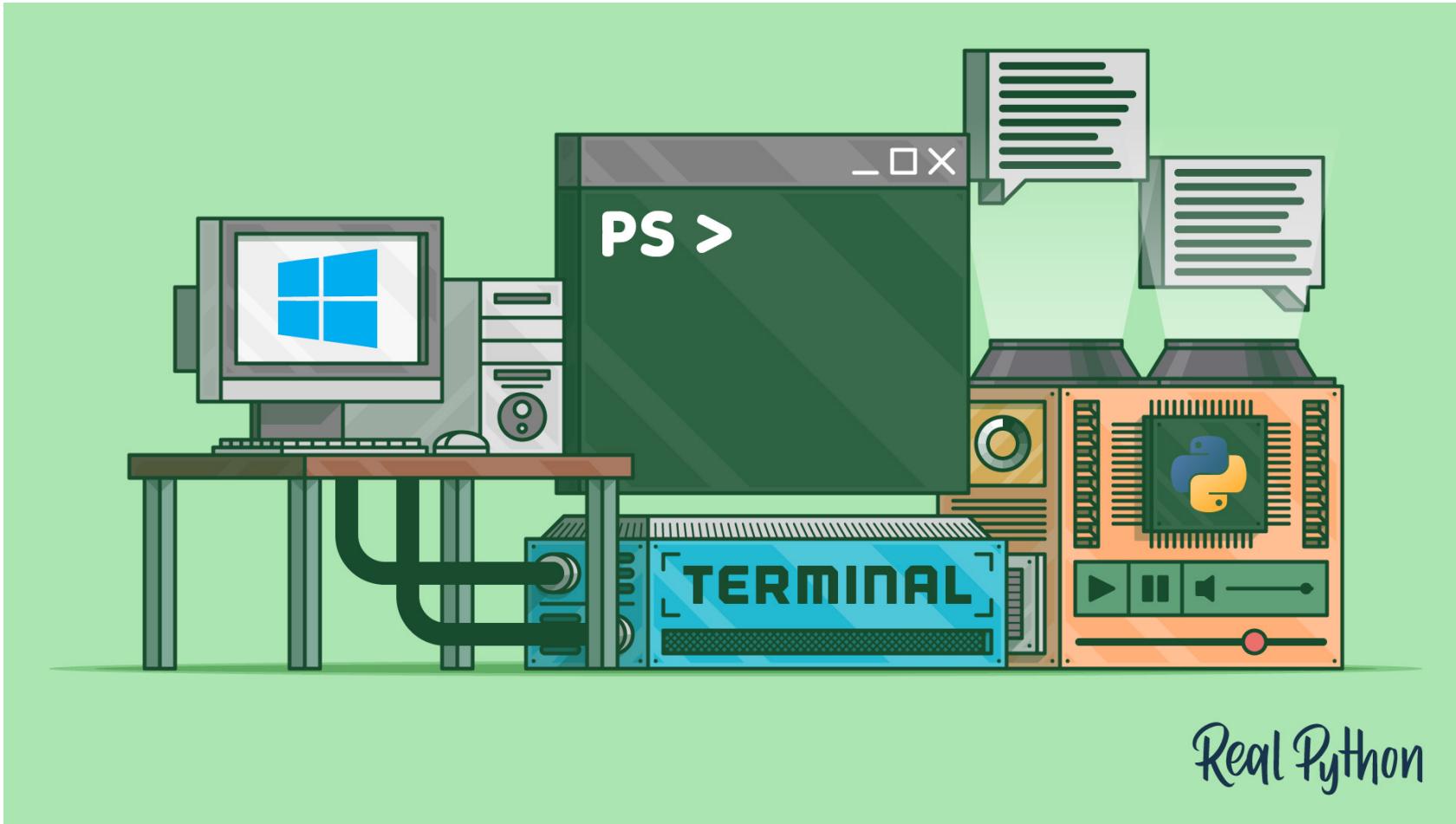
1. Open the terminal application
2. Show the current path of your working directory
3. Create a new directory named `pb_terminal/`
4. Change into the `pb_terminal/` directory
5. Show the current path of your working directory
6. Create a new file named `hello_terminal.py`
7. List the contents of the `pb_terminal/` directory
8. Add `print("Hello, Terminal!")` to `hello_terminal.py` without opening an editor
9. Show the contents of `hello_terminal.py`
10. Run `hello_terminal.py`
11. Copy `hello_terminal.py` into a subdirectory named `hello/`
12. Change into `hello/` and list the contents
13. Change back into `pb_terminal/`
14. Rename `hello_terminal.py` to `hello_world.py`
15. Replace the content of `hello_world.py` with `print("Hello, World!")`
16. Run `hello_world.py`
17. Run `hello/hello_terminal.py`

Useful Terminal Commands

Command	Description
<code>pwd</code>	Print current directory
<code>mkdir <filepath></code>	Make directory
<code>ni <filepath></code>	Create file
<code>clear</code>	Clear terminal window
<code>ls</code>	List contents of folder
<code>ls -a</code>	List all contents of folder with info
<code>cat <target></code>	Show content of <code><target></code>
<code>cd <filepath></code>	Change into directory
<code>cd ..</code>	Change into enclosing directory

Command	Description
<code>echo <content></code>	Print <code><content></code> to terminal
<code>echo <content> > <target></code>	Print <code><content></code> into <code><target></code>
<code>echo <content> >> <target></code>	Append <code><content></code> to <code><target></code>
<code>cp <source> <target></code>	Copy <code><source></code> to <code><target></code>
<code>rename-item <source> <target></code>	Rename <code><source></code> to <code><target></code>
<code>python <pythonfile></code>	Run <code><pythonfile></code>

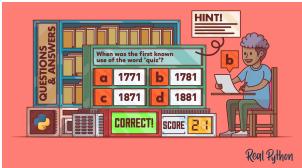
Summary and Additional Resources



In this course you learned how to:

- Install the Terminal
- Open the Terminal
- Create Files and Folders
- Navigate the Filesystem
- Show and Edit Files
- Copy and Move Files
- Run Python Files

Additional Resources



[Build a Quiz Application With Python](#)



[Build a Site Connectivity Checker in Python](#)



[Build a Command-Line To-Do App With Python and Typer](#)



[Build a Python Directory Tree Generator for the Command Line](#)



[Raining Outside? Build a Weather CLI App With Python](#)

The Terminal 😊

