1. Double Quote Issue (SyntaxError)

python					Сору	* Edit
chai =	= "He said,	"Masala chai	s awesome" "			

Error:

This gives a SyntaxError because Python gets confused — it thinks the string ends at the second double quote ("He said, "), then sees "Masala... as invalid code.

Fix it using escape character \":

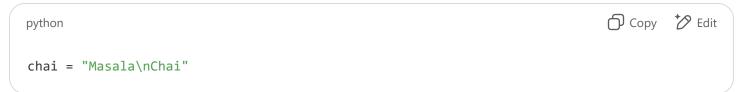
```
python

Copy * Edit

chai = "He said, \"Masala chai is awesome\" "
```

This tells Python to include the quotes inside the string instead of ending it.

2. New Line with \n



- \n means **new line**.
- When you print(chai), it looks like:

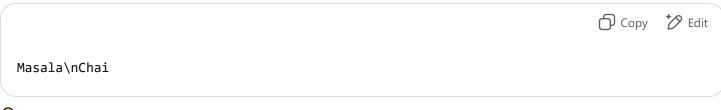


3. Raw String (r"")

python Copy * Edit

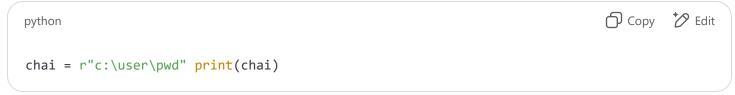
chai = r"Masala\nChai"

- r"" means raw string → Python treats \n as normal characters, not as newline.
- So print(chai) gives:

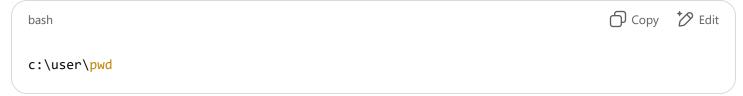


• Use raw strings when you don't want Python to process backslashes, like in file paths.

4. File Path with Raw String



Output:



• Without r, \u and \p might be read as Unicode escape sequences — which causes an error.

5. Unicode Error Without r



X This gives:

SyntaxError: (unicode error) 'unicodeescape'

- Because \u expects a Unicode character like \u1234, but here it's invalid (\user).
- Always use raw string for Windows paths: r"c:\user\pwd"

Summary

Purpose	Example	Output / Effect
Escape quotes inside string	"He said, \"Hi!\""	He said, "Hi!"
New line	"Hello\nWorld"	Hello World
Raw string	r"Hello\nWorld"	Hello\nWorld (no new line)
File path	r"c:\user\pwd"	✓ No error
File path (X wrong)	"c:\user\pwd"	X Unicode error