

Python REPL and Interactive Mode

What is the Python REPL?

R-> Read your Input

E-> Evaluate the expression

P-> Print the result

L->Loop(repeat)

REPL is interactive python shell in which we can type the code line by line and see the result immediately.

Use REPL when:

- You are writing small programs
- You want to do quick mathematical calculations
- You want to check how function works
- You want immediate feedback

Use a script file when:

- You are writing full programs
- Code is more than 5–10 lines
- You need to save the file and run it later
- You build a project or automation

Script	REPL
Saved and reusable	Temporary not saved
Write code in .py file and run using python file.py	Type the code and see result immediately

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```
Command Prompt - python
Microsoft Windows [Version 10.0.26200.7171]
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C:\Users\Lenovo>python
Python 3.13.1 (tags/v3.13.1:0671451, Dec 3 2024, 19:06:28) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> 2+2
4
>>> 10*5
50
>>> 15/3
5.0
>>> |
```

```
>>> print("Hello from REPL")
Hello from REPL
>>> "hi"*3
'hihihi'
>>> 5>3
True
>>> 20-7
13
>>> |
```