

1. Python is a scripting language that's open source. It uses its own compiler/interpreter and (typically) gets called with the "python" command pointing to a file. Source (python.org/what I already know)
2. JS Python Java TS C# C++ PHP Shell C Ruby... second place and not really surprised. Python is a good language and a lot of ML/AI is built using it plus the ease of use to write a script and run it without having to worry about OS/CPU. JS will most likely stay at the top mainly because of Node and web browsers.
(<https://octoverse.github.com/2022/top-programming-languages>)
3. IDEs are word processors built for writing code. Modern ones include syntax highlighting, plugin support, and access to terminals/powershell/bash/etc. Most modern ones also include (or have the ability to have, given user installation) the relative compiler for your application.
4. Top: <untitled>
5. Bottom: <Shell>
6. Purple
7. Blue
8. Green
9. Defaulted to user directory, instead going with Desktop/CS104/HW1
10. Py pyw and pyi
11. Hw1-ohea
12. This is my first homework
13. Yes, same colors
14. This is my first homework
It is kind of a boring program but I am making a computer do something and that is really cool
15. First one returns text and the other returns a number
16. Reason is because '5+4' is just a string because of the surrounding " whereas 5+4 is a mathematical operation so it returns the result
17. 3 lines added in code, only one line in output
18. Reason is because the first two lines don't have a print() statement so they don't print anything to console. Just variable declaration.
19. Gray
20. No
21. Shell is the 'output' of the program, at least what the end user is (probably) able to see, but doesn't mean that if it doesn't show in console then nothing is happening. The program section is where you write out the program/application as instructions/statements
22. Saved it to the desktop in a location I remembered.
23. Opened last edited program (hw1-ohea)