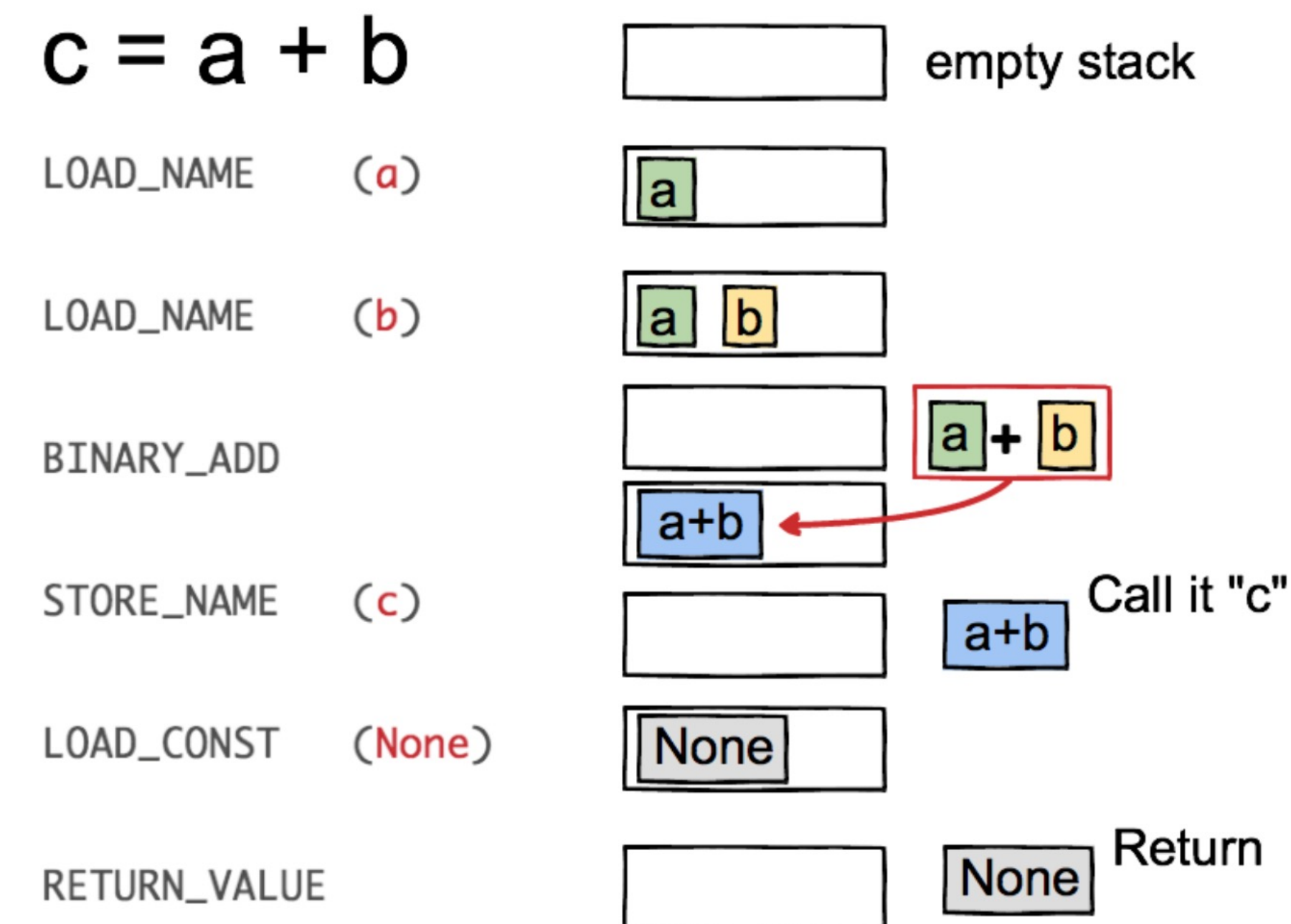


Cyberbrain: how does it work?

1

```
@trace
def hello():
    a, b = "hello", "world"
    c = a + b
    return c
```

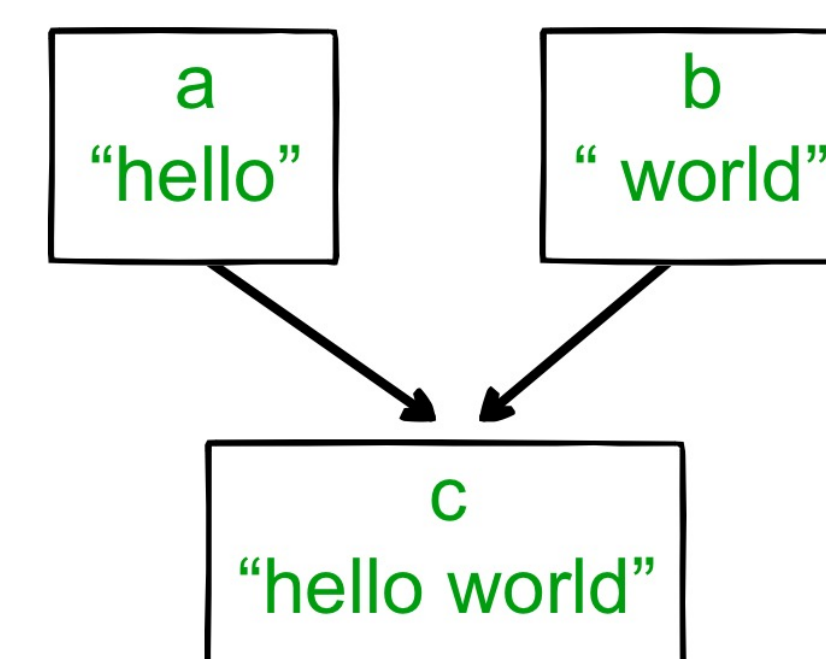
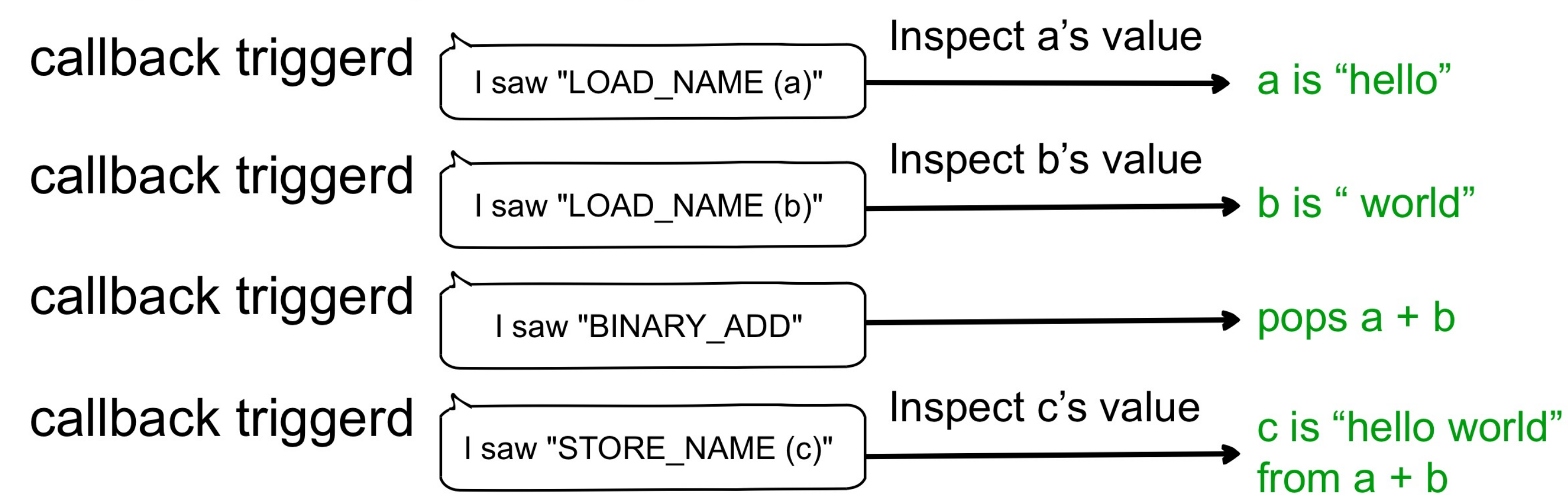
CPython Virtual Machine



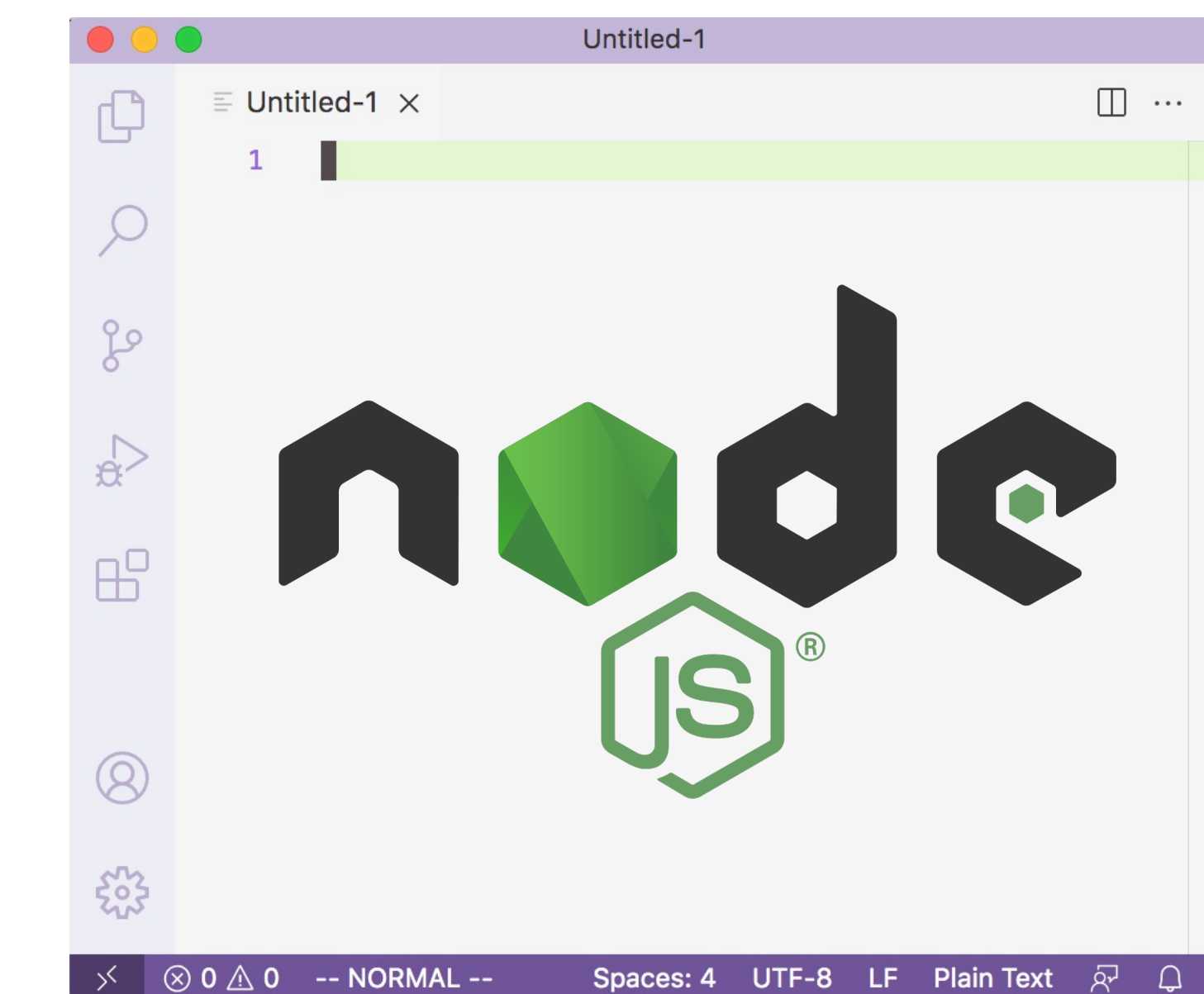
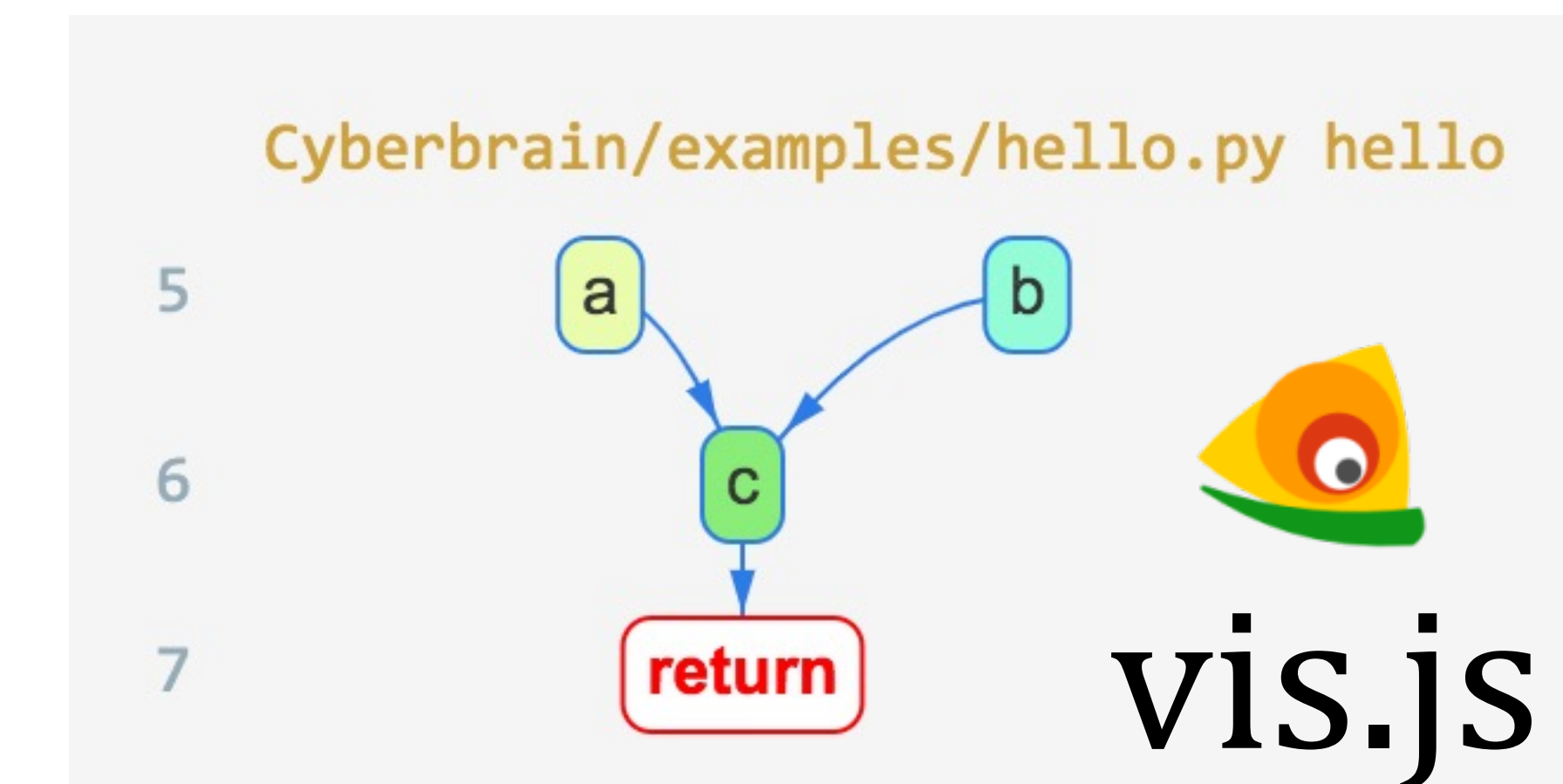
2 See <https://youtu.be/eXITVrNZ67Q?t=647>

- See the “deep dive” video for a more in-depth intro (including code)
- Step 1 ~ 3 happens in Python
- Step 4 ~ 5 happens in VS Code
- Tracing data sent from Python to VS Code via HTTP
- Cyberbrain is **NOT** static analysis, but **runtime tracing**

sys.settrace(callback)



Webview



express listening...

4

5