Python Tutor: Visualize code in **Python**, **JavaScript**, **C**, **C++**, and **Java**

Write code in [Python 3.6 [reliable stable version, select 3.11 for newest] ⌄]

```
1 |
```

[Visualize Execution]   [Get AI Help]

[hide exited frames [default] ⌄] [inline primitives, don't nest objects [default] ⌄]
[draw pointers as arrows [default] ⌄]

Show code examples

bugs & unsupported features | why are there ads?

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