Python

Popular Programming for Geospatial

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Biodata Diri

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Sarjana Sains
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Data Engineer
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GIS related projects
- WebGIS – Indonesia Tourism Development Project
- Geoportal Cagar Budaya - Ertim Conservation Institute

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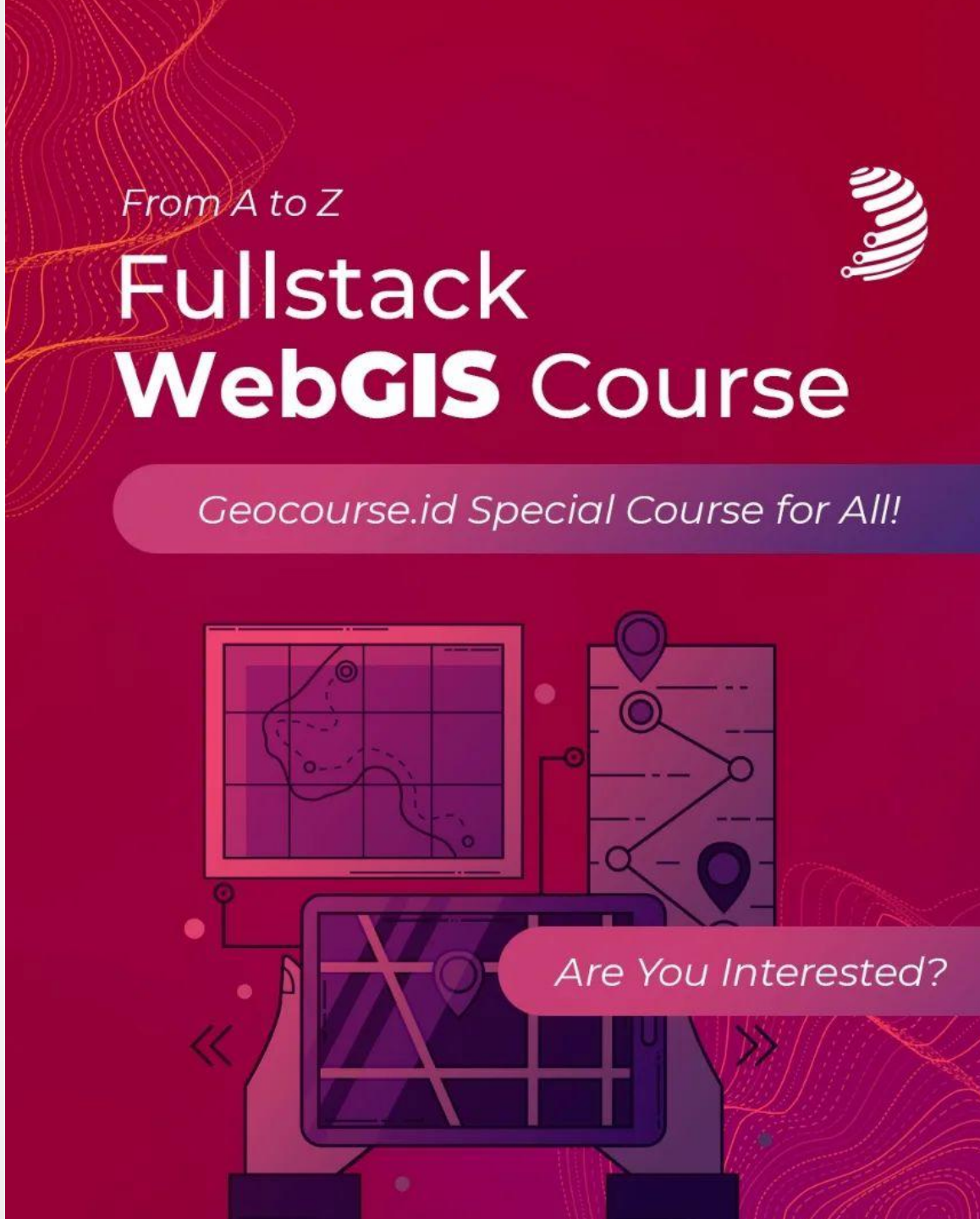
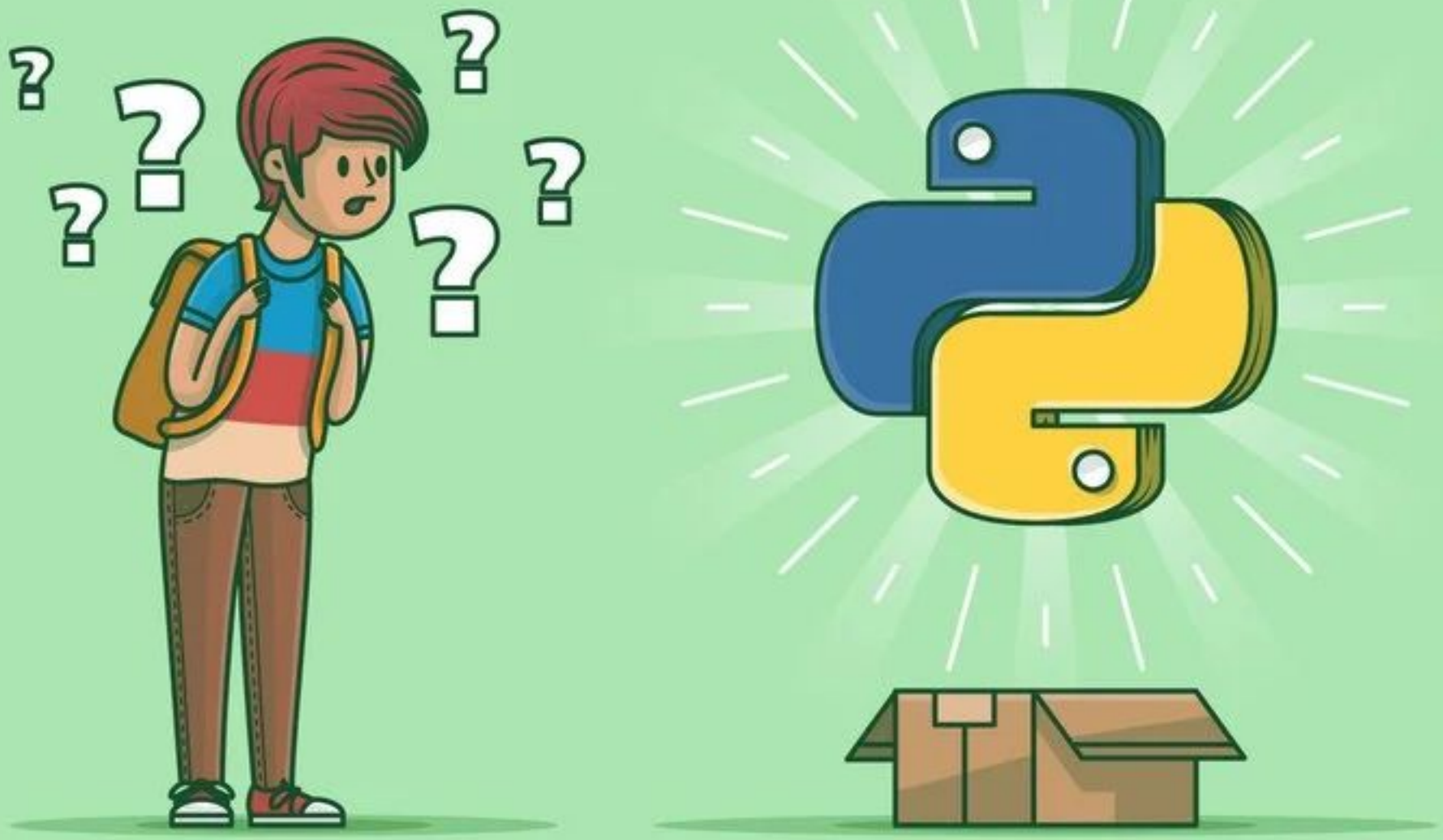
Full-stack WebGIS Course

1. GIS fundamental
2. Introduction to HTML & CSS
3. Front-end Development with JavaScript
4. JavaScript Mapping Library
5. Build a Geo API
6. Working with Spatial Database
7. Python Fundamental
8. Backend Development for Geospatial Applications
9. WebGIS Project: Tourism WebMap in Bikini Bottom



Full-stack WebGIS course roadmap



Real Python

https://realpython.com/

Apa itu Python?

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected

— python.org

Kenapa harus Python?

- general-purpose
- open-source
- kaya akan library bidang data science & engineering
- Teknologi geospasial paling kuat ditulis menggunakan python

Python Geospasial

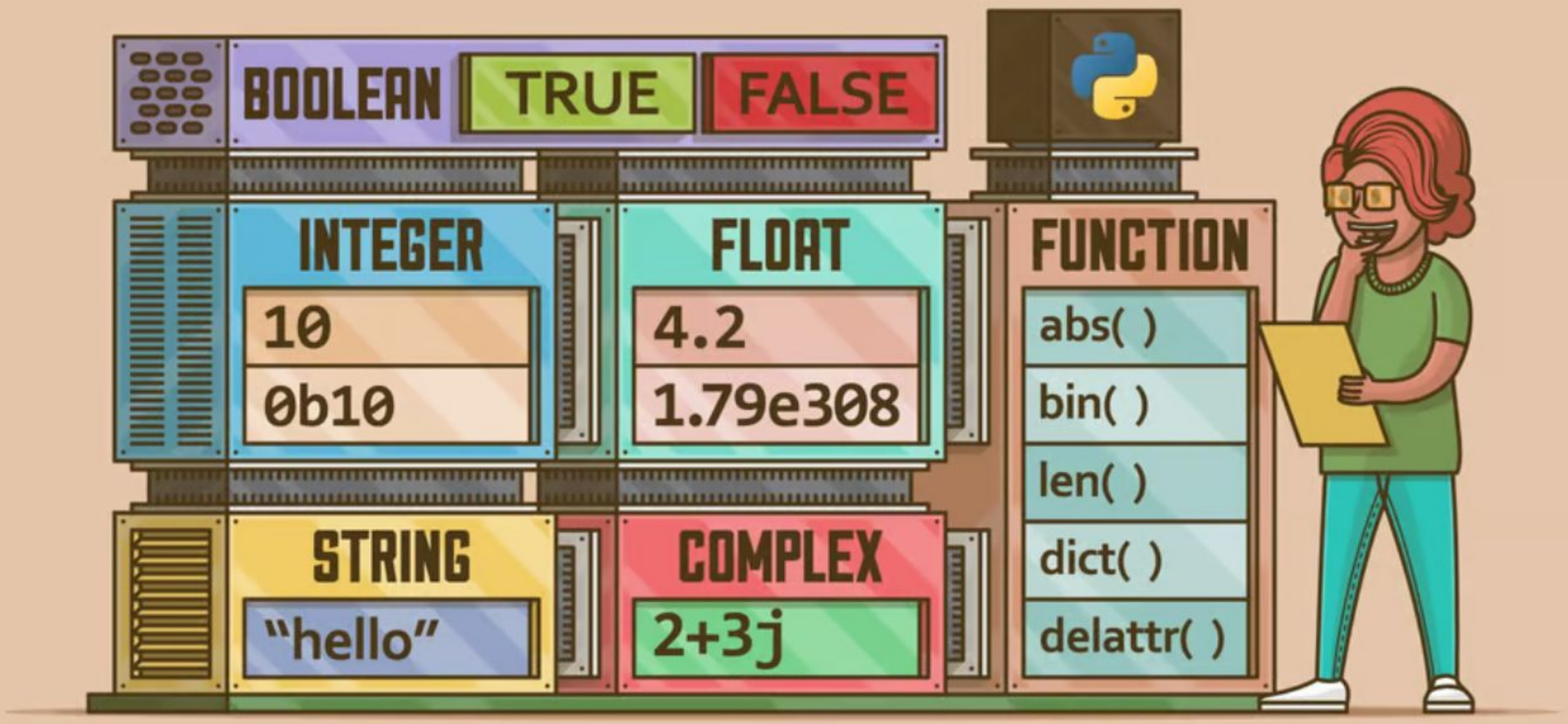
- https://developers.arcgis.com/documentation/arcgis-add-ins-and-automation/arcpy/
- https://docs.qgis.org/latest/en/docs/pyqgis_developer_cookbook/index.html
- https://geopandas.org/
- https://github.com/shapely/shapely
- https://github.com/rasterio/rasterio
- https://gdal.org/api/python_bindings.html
- https://github.com/libgeos/geos
- https://pyproj4.github.io/pyproj/stable/index.html
- https://geemap.org/
- https://docs.djangoproject.com/en/4.2/ref/contrib/gis/

Basic Python

https://realpython.com/interacting-with-python/
https://docs.python.org/3/tutorial/introduction.html

Real Python

Data Types in Python



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https://realpython.com/python-data-types/
https://docs.python.org/3/library/stdtypes.html

Python Object Oriented Programming

https://realpython.com/python3-object-oriented-programming/
https://docs.python.org/3/tutorial/classes.html

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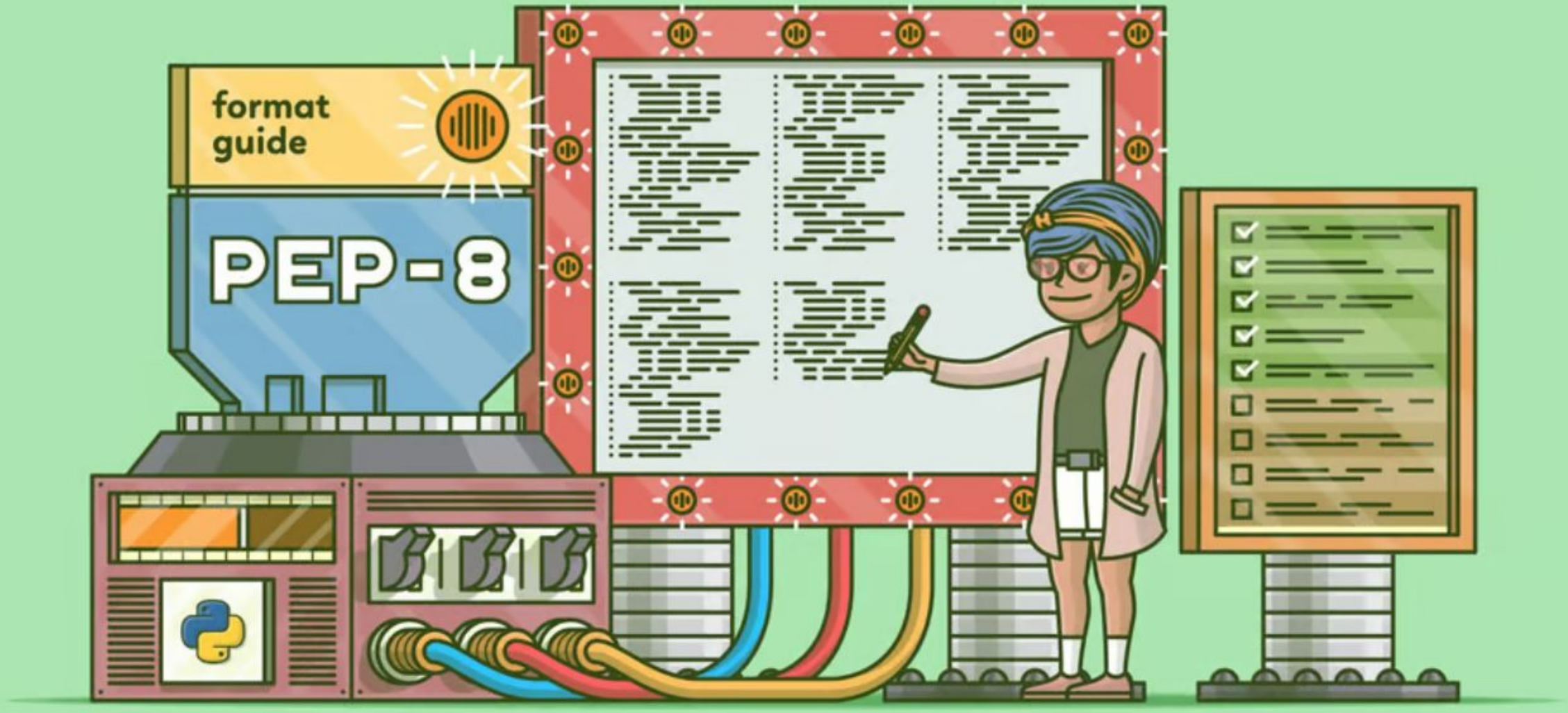
Write More Pythonic Code



https://realpython.com/python-pep8/#naming-styles
https://peps.python.org/pep-0008/

Real Python

Get in touch with me at

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