🧠 Python Notes – Topic 1: Introduction to Python

Definition

```
- Python is a high-level, interpreted, general-purpose programming language known
for its simple syntax, dynamic typing, and versatility
- Feature    Description
    Interpreted      : Code runs line-by-line using an interpreter (no compilation
needed)
    High-Level       : Abstracts low-level memory management, easier to code
    Dynamic Typing   : No need to declare variable types
    Object-Oriented  : Everything is an object; supports classes, inheritance,
polymorphism

-   Python Execution Process (Important for Interviews)
    - Source Code (.py) → Python Interpreter → Bytecode (.pyc) → PVM (Python
Virtual Machine)
    - Python Interpreter: Converts code to bytecode.
    - PVM: Executes bytecode line by line.
```

Link for Interview Questions

- [Medium](#)
- [GeeksForGeeks](#)