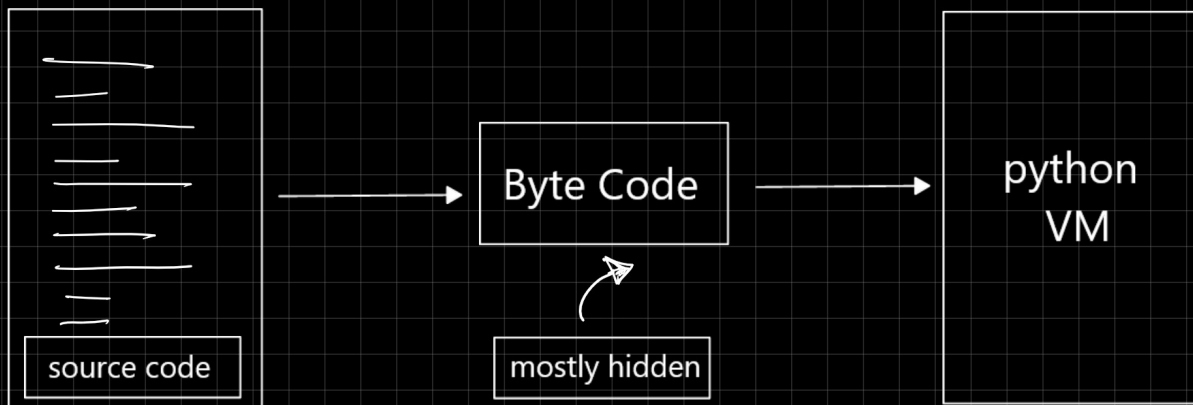


# Internal working of python

> python app.py



## 1. Compile to Byte Code

→ Low level & platform Independent

→ Byte code runs faster

• **pyc** → compiled python (Frozen Binaries)

-- **pycache** --

Source change & Python Version

hello-abhi.cpython-312.pyc

→ Works only for imported files.

→ Not for top level files.

## 2. Python Virtual Machine (PVM)

- Code loops to iterate bytecode
- Runtime engine
- Also known as python interpreter
- Bytecode is not machine code.
- Python specific interpretation
- cpython, jython, IronPython, Stackless, PyPy
  - ↑  
standard implementation

## Mutable and Immutable in Python

