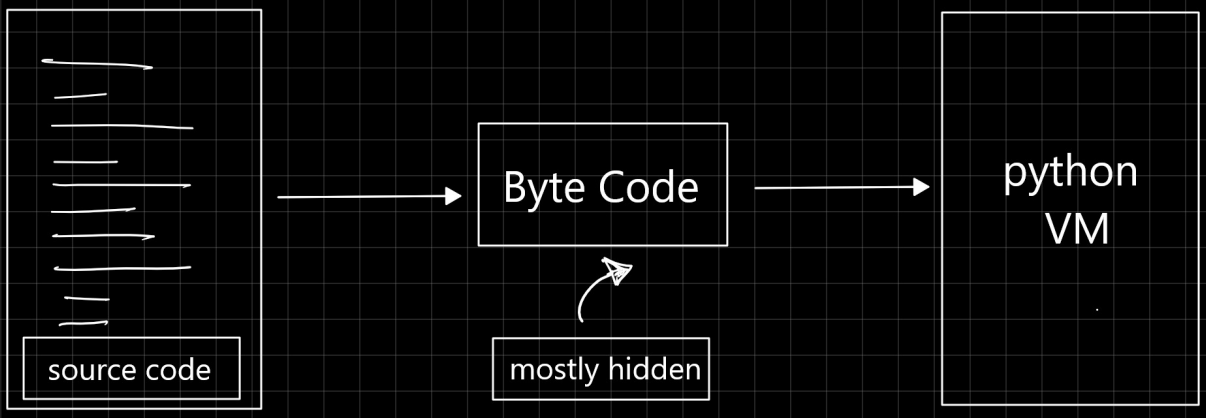
Internal working of python

> 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

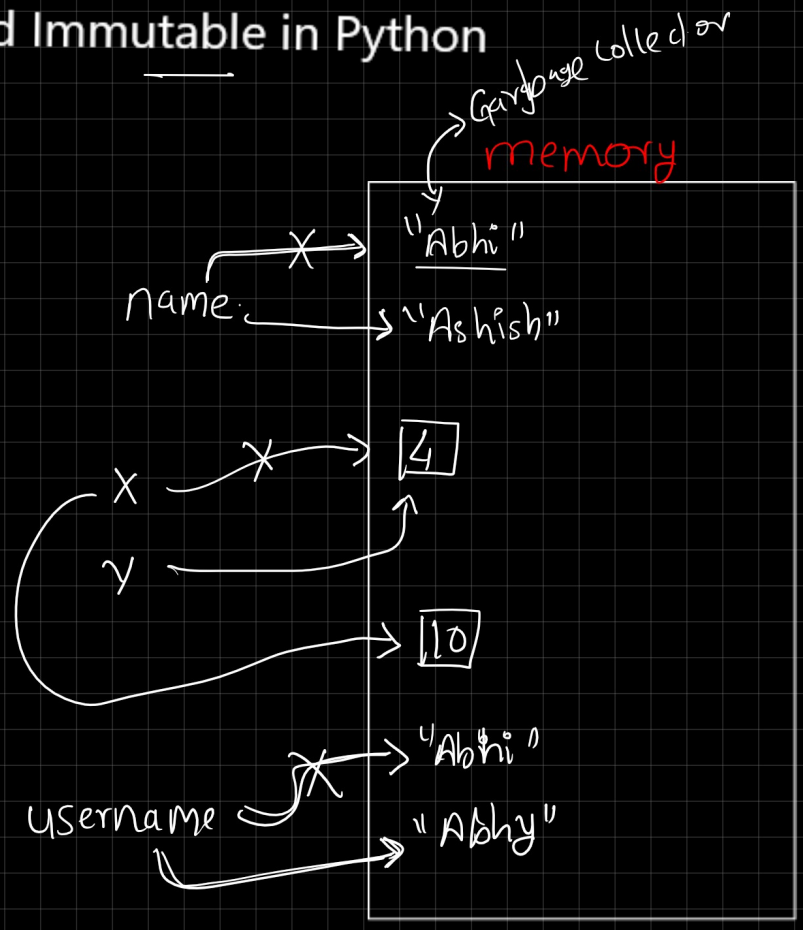
→ Bytecode is not machine code.

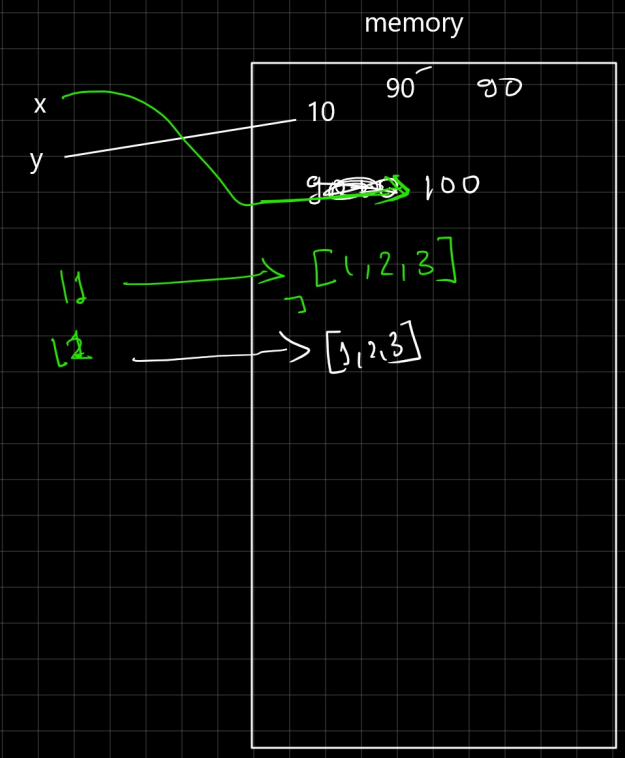
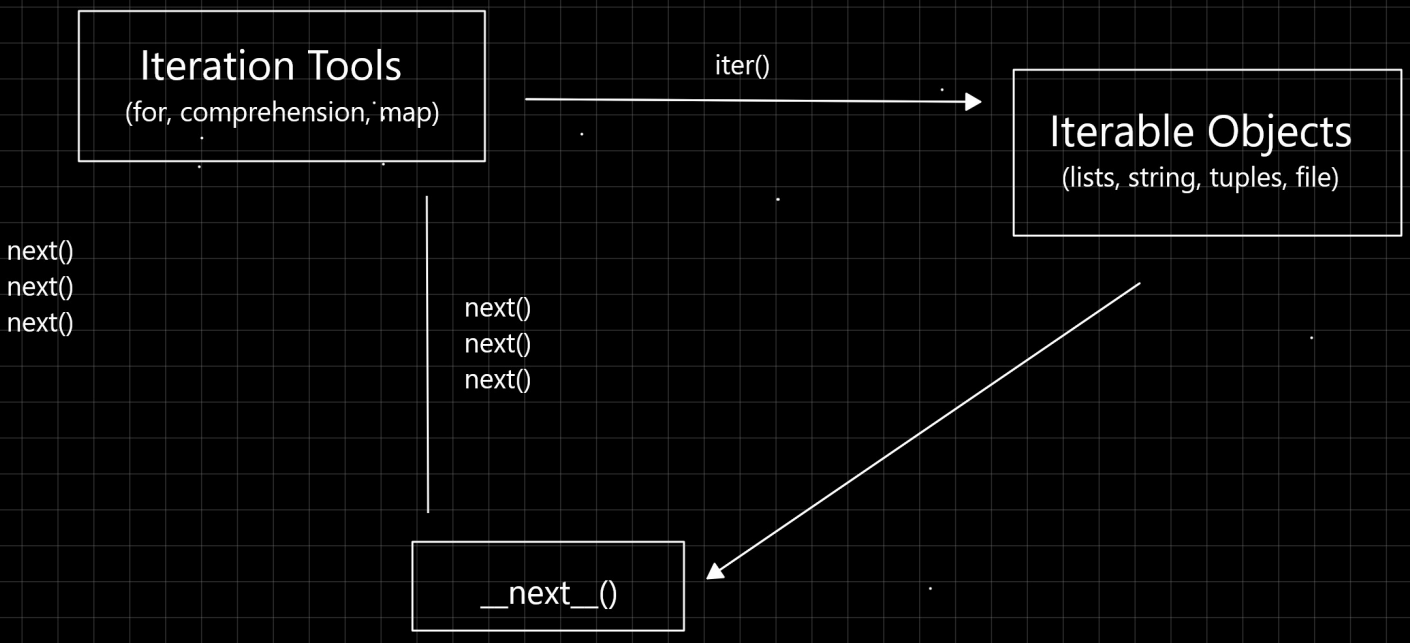
→ Python specific interpretation

→ cpython, jython, IronPython, Stackless, PyPy

↑ standard implementation

Mutable and Immutable in Python





Internals of Loops