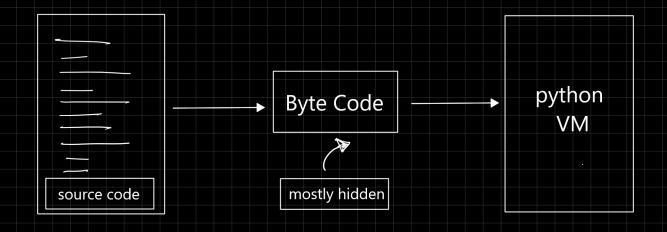
Internal working of python

> python app.py



1. Compile to Byte Code

- > Low level & Platform Independent
- -> Byte code runs faster
 - · pyc -> compiled python (Frozen Binaries)
 - __pycache__

Source Change 2 Python Version Hello-abhi. CPYthon-812.PYC

- -> Works only for imported files.
- -> Not for top level files.

2. Python Virtual Machine (PVM)

- -> code loops to iterale bytecode
- -> Runtime engine
- -> Also known as bython iterpreter
- -> Byte code is not machine code.
 - >> Python specific interpretation
 - -> cpython, jython, Iron Python, Stackless, Pyty

standard implementation

Mutable and Immutable in Python

Garge of Memory

"Abhi"

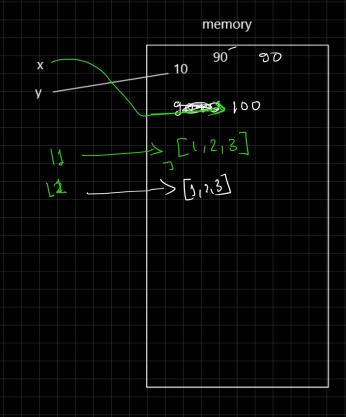
X

X

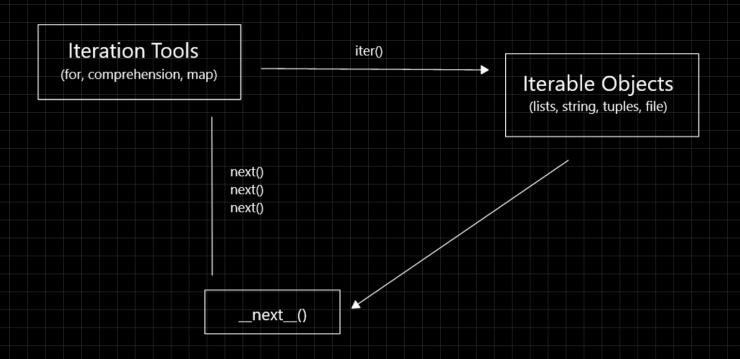
ID

Username

"Abhy"



Internals of Loops



Functions in Python

Function is a block of code which only runs when it is called.

Function has a name for identification.

def functionName(args):

function body

code

Function Definition Vs Function Call

def greet():

print("hello, good morning")

greet()

Ways to define a function

- 1) Takes nothing, return nothing
- 2) Takes nothing, return something
- 3) Takes something, return nothing
- 4) Takes something, return something

Variables

Global Variable Vs Local Variable

name="abhi" def greet(): print("hello, good morning") def greet():

name="abhi"

print("hello, good morning")

Once function is defined, it can be

called any number of times.