

2 Dec 2024
Python

Python is a Interpreted language

Line by line
consecutively

Line by line execute

Line by line error finding

compared other languages

↳ total open convention

* Execution late → delay execution

+ Debugging easy

Dynamic does
some thing
which changes

+ Dynamically typed

①

cloth-type non uniform. "data=3"

+ Static :- Uniform. → no change

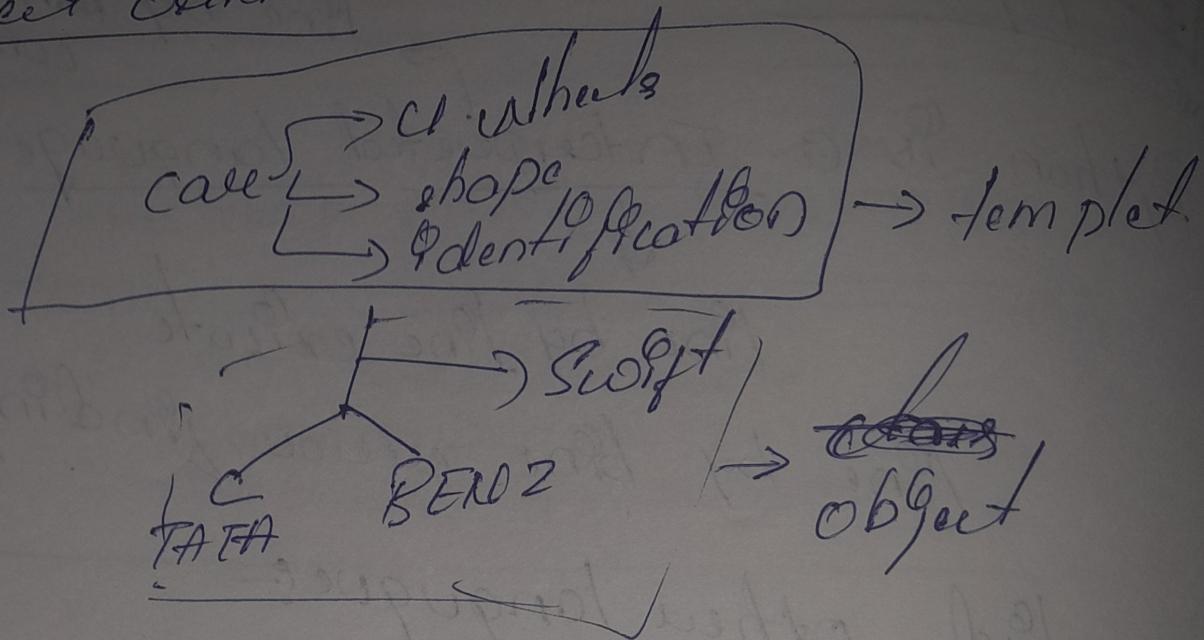
int data=3.

+ Object Oriented - template - class
product - objects

②

* Object Oriented

(P)



Real world objects are made up of different programming constructs

Key features of Python

- + Simple Syntax
- + Interpreted
- + Dynamically typed (No need to declare variable type)
- + Object oriented
- + Rich standard library.
built-in functions just to make things easier

VS code :- "Integrated visual development

Print ("Hello, world!")

class 2
2/12/24

- ① - Variable
+ Datatype
- ② - Arithmetic operators

① Variable :-
 $\text{Q} \rightarrow \text{Variable}$

↳ Some things whose values that get
changes in any of them

a = 10;
b = 20;

Variable assignment

print("0")
print(a)
print(a)

print(a+b)

10 20

a = 10
10 print(a)

a, b, c = 20, 30, 40

Unbreakable Rule :-

+ Unbreakable names can contain letters
ca-2 D, A-2) number (0-9),
and underscore (-)

- + Unbreakable name must start with letter
- Or an underscore
- + Unbreakable name are case sensitive
Adam and name are diff

Name = Daushan
Name = chandan
Name = Chandan
Pehnt Name

new 4

=> Changlan

② Data type In python

Data Type Python

a = 20
Int
Mutable
Data type ('')
Name

0.987654 → float
Decimal → float

names → string → lathees, sentence

bool → True
False

→
These are 6 data types.

name = "chandon" → string

Int

bool

float

float

age = 20
isStudent = True
weight = 69.5

print C type (weight))

print C type (weight)
print C type (weight)

→ ↳ class float

changes take place

$\varphi_s - \text{student} = \text{year}$

$\varphi_s \neq \varphi_1$ not bool

The result is \Rightarrow string

Type conversion

$$\text{cright} = 20.79$$

~~the float~~

we need 40 + the

addition = sum

$$\underline{\text{age} = 22}$$

we need 40 + age = 20 + 22 = 42

that should store in float

$$= \text{age} - \text{float} = (\text{float} \cdot \text{age}) / 1000$$

$$\Rightarrow \text{print } \text{Cage} - \text{float}$$

$$\Rightarrow 22.0.$$

~~22.0~~