

→ Data types in python →

↓  
digit  
deltas  
digits + delta  
dates  
Boolean

Simple / Fundamental → single unit

(10) | 90.85 | abc  
CDDOIOZ

Complex → Collection of multiple simple data types in a

pre defined structure

10	8	9	7.5
...	...	...	...



Class  $\rightarrow$  human  $\Rightarrow$  breathing(), eating(), walking()  
 $\downarrow$   $\rightarrow$  a face, hair, leg, hand, nose, nose, ...

Class  
↓  
Collection of  
methods & attributes  
↓  
method

Ram, Kaur, Sita  
4 object

Diagram illustrating a hierarchical structure (likely a tree diagram) with nodes and edges:

- Root node: **house**
- Left child of **house**: **dine()**
- Right child of **house**: **Bcd run**
- Left child of **dine()**: **Pure()**
- Right child of **dine()**: **Good()**
- Left child of **Bcd run**: **Baker**
- Right child of **Bcd run**: **Baker**
- Left child of **Baker**: **Amu**
- Right child of **Baker**: **Amu**
- Left child of **Amu**: **Canu**
- Right child of **Amu**: **Canu**
- Left child of **Canu**: **pinu**
- Right child of **Canu**: **pinu**
- Left child of **pinu**: **Fluor**
- Right child of **pinu**: **Fluor**

struct { (Pug  
 Dog → bark  
 run()  
 play()  
 swim  
 Rg ← tail : 1 → walk  
 now : 7

Handwritten diagram showing three overlapping circles, each containing a name, with numbers and arrows indicating relationships:

- Top circle:** Labeled "Ching" with the number "2" to its left. An arrow points from the top of this circle to the word "Pul" to its right.
- Middle circle:** Labeled "Lipin" with the number "4" to its left. An arrow points from the right of this circle to the word "Pul" to its right.
- Bottom circle:** Labeled "Vachin" with the number "10" to its left. An arrow points from the right of this circle to the word "Pul" to its right.

diff → [1, 1.0, 1.5m, (2)]  
 ↳ length = 4

tuple → (1, 1.0, ~~1.5m~~, (2))

update a list → mutability

2 way  
 1 way  
 ...

show a  
 string bit by bit  
 ↓  
mutability

cannot update a tuple  
 ↳ immunity

dictionary → wallet 2

Note: (1)  
 Hash: 10  
 Green: 2  
 Count: 12

LCATuple a =

1	1	ack	Na	11	-	-
0	1	2	3	4	5	6

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a[0]

0<sup>th</sup> element of tuple

[Not, 1, 2, 3]

{1, 2, "1"} → BcA Pn de m