

Python Beta 100

Python Object and Data Structures

AL NAFI,
A company with a focus on education,
wellbeing and renewable energy.



Forty Hadith on the importance of Knowledge, learning and Teaching.

Hadith # 17 The Prophet's care for Students

Whenever Abu d-Darda' saw the students, he used to say:

“Greetings to the seekers of Knowledge.”

And he said: **“The messenger of Allah (peace be upon him) urged people to take good care of you.”** (ad-Darimi, Sunan)

It has been narrated, that Abu Harun al-'Abdi and Shahr Ibn Hawshab said: Whenever we visited Abu Sa'id Al-Khudri, he used to say to us:

“Greeting to the recommendation of the Messenger of Allah.”

The Messenger of Allah peace be upon him said: **“You will conquer the land, and some people.”**

Python Objects and Data Structures

Class	Python Syntax	Description with example	Immutable
Integers	int	Whole numbers, such as 2 200 300	Yes
Floating point	float	number with a decimal point: 4.2 5.5 100.0	Yes
Strings	str	Ordered sequence of characters: "Salam" 'Islam' "Al Nafi"	Yes
Lists	list	Ordered sequence of objects: [20, "AlNafi",104.5]	
Dictionaries	dict	unordered key: Value pairs: {"mykey" : "value" , "name" : "Muhammad"}	
Tuples	tup	ordered immutable sequence of objects: (70,"Salam",500.9)	Yes
Sets	set	unordered collection of unique objects: {"a","b","c"}	
Booleans	bool	logical value indicating True or False	Yes

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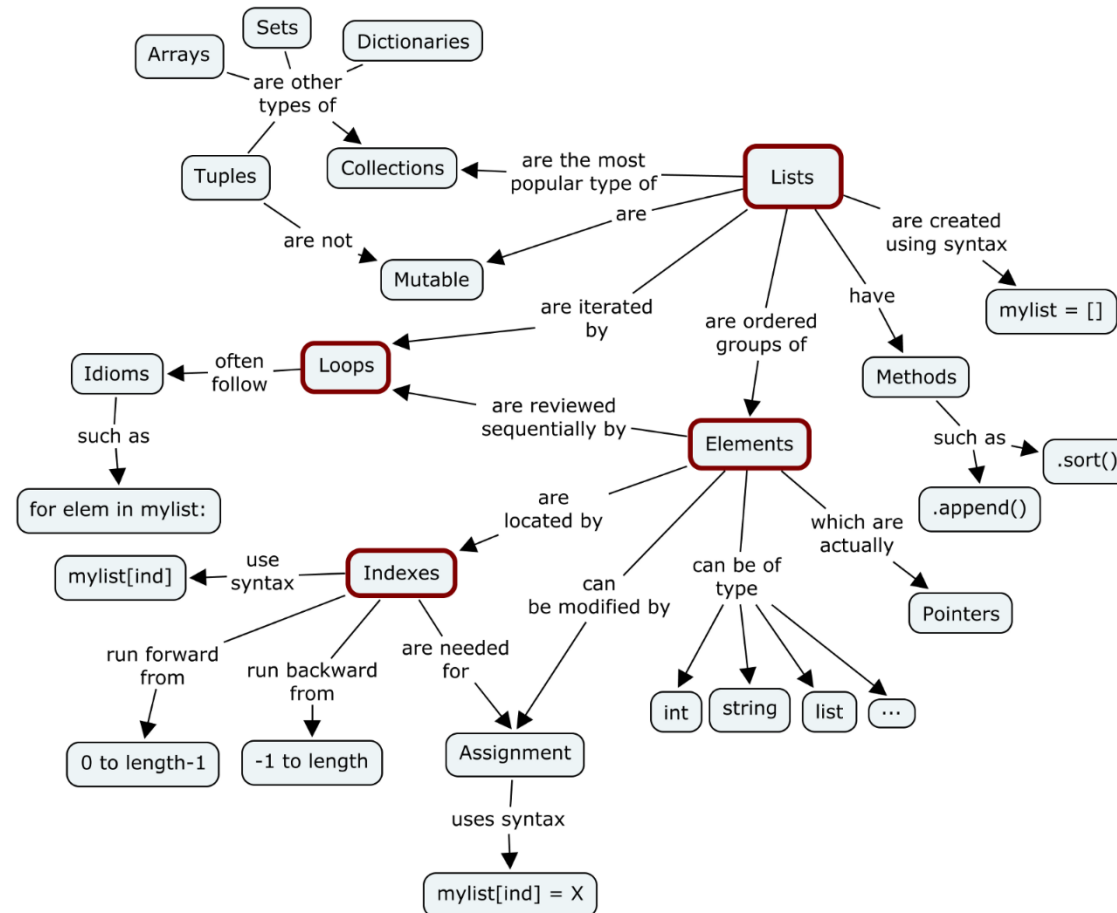
Mutable objects:

list, dict, set, byte array

Immutable objects:

int, float, complex, string, tuple, frozen set [note: immutable version of set], bytes

Deeper Dive in Python Objects!!



جزاك الله

To ask questions, please logon to the portal <https://alnafi.com/login/> and use your username and password. We will circle back to you in 2-3 business days inshAllah.