



My Programs ► ... ► Data Structures in Python ► Check for Understanding: Lists

Check for Understanding: Lists

Check for Understanding

Data types and data structures are tricky but important concepts to master! Let's pause and make sure you understand the distinction between them.

Qι	iz Question
Whi	th of the following statements about data types and data structures are true? Select all that apply.
Da	a structures are containers that can include different data types.
Dat	a structures can only hold data of the same data type.
Ali	st is an example of a data structure.
All	data types are data structures.
All	data structures are data types.
Qι	iz Question
	iz Question th of the following are properties of lists? Select all that apply.
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Whi	th of the following are properties of lists? Select all that apply.
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Whi	th of the following are properties of lists? Select all that apply. table nutable lered
Whi	th of the following are properties of lists? Select all that apply. table nutable lered ordered

The next two quizzes will test your understanding of indexing and slicing lists. I encourage you to try answering these questions without testing them in code first.

However, if you would like to experiment with code after your first try, you can use the coding space from earlier in the lesson to do so. Below is some code for easy copying and pasting:

arr = ['a', 'b', 'c', 'd', 'e', 'f', 'g']

Quiz Question

Choose the correct syntax to index each of the following elements from a list, arr.

arr[len(arr) - 1] arr[3]

arr[-2]

arr[len(arr)]

arr[-3]

arr[0]

arr[1]

arr[4]

Element	Indexing Syntax
First element of the list	
Fourth element of a list	
Last element of the list	
Second to last element of the list	

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