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Intro to Lists

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Lists

- Lists are a type of data structure in Python
 Lists are the most common sequence
 Lists are mutable, which means, once defined, the individual elements can be changed
- To create a *list*, specify comma separated values, in between square brackets []
- Values included do not need to be all of the same type
- Each *list* item is assigned an index value, starting at 0

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Lists	
Create a list with random stringslist1 = ['1', 'dog', 'cat', '789']	
Print the list print(list1)	
 Get the length of the list print(len(list1)) 	
 Get the 2nd item in the list print(list1[1]) 	
 Getthe 5th item in the list print(list1[4]) #Note: this doesn't exist! 	
For reference: https://docs.python.org/3/tutorial/datastructures.html?highlight-list@more-on-lists	
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Lists • You can add items to a list list1.append("hello") • Remove items from a list list1.pop() #removes the last item in the list print(list1) list1.pop() #removes the 2nd item in the list print(list1) • Check if an item is in a list print('dog' in list1)

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