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<b>1 1 1 1 1 1 1 1 1 1</b>

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## Intro to Lists \*\*PennEngincering\*\* \*\*PennEngincering\*\*

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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 strings	100
list1 = ['1', 'dog', 'cat', '789']	-
• Print the list print(list1)	
<ul> <li>Get the length of the list print(len(list1))</li> </ul>	
• Getthe 2 <sup>nd</sup> item in the list print(list1[1])	
<ul> <li>Getthe 5<sup>th</sup> item in the list print(list1[4]) #Note: this doesn't exist!</li> </ul>	No.
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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