List Slicing

Chapter 04d

Getting a Sublist with Slices

EXAMPLE:

animals = ['cat', 'bat', 'rat', 'elephant']

print(animals[0:3])

#two integers, separated by colon

#1st number, index starts
#2nd number up to not including

Assigning a Sublist to a new Variable

EXAMPLE:

animals = ['cat', 'bat', 'rat', 'elephant']

new_list = animals[1:3]

print(animal[1:3])
print(new_list)

#assigning sublist to new variable

#1st number, index starts
#2nd number up to not including

Getting a Sublist with Slices

MORE EXAMPLES:

animals = ['cat', 'bat', 'rat', 'elephant']
new_list = animals[#:#]

new_list = animals[0:3]
new_list = animals[:3]
new_list = animals[0:]

#As a shortcut, you can leave out one or both index numbers.

[:#] Leaving out left index, is the same as starting at the beginning of the list.

[#:] Leaving out right index, is the same as slicing to the end of the list including the last item.

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MORE EXAMPLES:

animals = ['cat', 'bat', 'rat', 'elephant']   #OUTPUT

>>>animals[:2]   ['cat', 'bat']

>>>animals[1:]   ['bat', 'rat', 'elephant']

>>>animals[:]   ['cat', 'bat', 'rat', 'elephant']