1. What exactly is []?

Ans: Symbol for list in python.

1. In a list of values stored in a variable called spam, how would you assign the value 'hello' as the third value? (Assume [2, 4, 6, 8, 10] are in spam.)

Ans: spam[2]=”hello”

Let's pretend the spam includes the list ['a', 'b', 'c', 'd'] for the next three queries.

1. What is the value of spam[int(int('3' \* 2) / 11)]?

Ans: ‘d’

1. What is the value of spam[-1]?

Ans:’d’

1. What is the value of spam[:2]?

Ans: [‘a’,’b’]

Let's pretend bacon has the list [3.14, 'cat,' 11, 'cat,' True] for the next three questions.

1. What is the value of bacon.index('cat')?

Ans: 1

1. How does bacon.append(99) change the look of the list value in bacon?

Ans: 99 will be appended in the end of the list. Bacon=[3.14, 'cat', 11, 'cat', True, 99]

1. How does bacon.remove('cat') change the look of the list in bacon?

Ans: It will remove first ‘cat’ from the list and the list will be [3.14, 11, 'cat', True, 99]

1. What are the list concatenation and list replication operators?

Ans: + for concatenation. It concatenate two strings. \* replicates string in multiples defined by user.

1. What is difference between the list methods append() and insert()?

Ans: Append will add elements in the end of the list while insert add element at the given location.

1. What are the two methods for removing items from a list?

Ans: remove the first given element in the remove function. Pop function will remove element at the given location.

1. Describe how list values and string values are identical.

Ans: list length is the number of elements in the list while string length is number of characters in the string.

1. What's the difference between tuples and lists?

Ans: lists are mutable while tuples are not.

1. How do you type a tuple value that only contains the integer 42?

Ans: (42,). Put comma after 42.

1. How do you get a list value's tuple form? How do you get a tuple value's list form?

Ans: using tuple builtin function. Using list or [].

1. Variables that "contain" list values are not necessarily lists themselves. Instead, what do they contain?

Ans: Reference to list.

1. How do you distinguish between copy.copy() and copy.deepcopy()?

Ans: Returns copy of existing list. Deepcopy creates new compound object and recursively copies members from original object to the compound object.