1. What exactly is []?

Ans. A list which contains no items.

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. 3

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. [3.14, 'cat,' 11, 'cat,' True,99]

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

Ans. [3.14, 'cat,' 11, True]

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

Ans. list comcatenation = +

List replication = \*

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

Ans. Apeemd() will add the value to end of list while insert() will add anywhere In the list.

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

Ans. remove() and del statement

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

Ans. Both can be passed to len() and can have indexes and slices,and can also concaneted and replicated.

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

Ans. Lists are Mutable while tuples are immutable.

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

Ans. (42,)

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

Ans . The list[] and tuples() functions respectively

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

Ans. They contain references to list values

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

Ans. The copy.copy() will do a shallow copy whle copy.deepcopy() will give us a deep copy .