**1.. What exactly is []?**

empty list value

**2. 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.)**

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

spam[2] = 'hello'

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

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

Negative indexes count from the end.

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

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

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

1

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

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

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

[3.14, 11, 'cat', True]

**9. What are the list concatenation and list replication operators?**

concatenation is +

replication is \*

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

append() will add values only to the end of a list

insert() can add them anywhere in the list.

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

del and remove() list

**12. Describe how list values and string values are identical.**

Both lists and strings can be passed to len(),

have indexes and slices,

be used in for loops,

be concatenated or replicated,

used with the in and not in operators.

**13. What's the difference between tuples and lists?**

Lists are mutable. lists use the square brackets [ ].

Tuples are immutable. Tuples are written using parentheses ( ).

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

(42,)

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

tuple()

list()

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

They contain references to list values.

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

deepcopy() will duplicate any lists inside the list.