1. What exactly is []?

-> it is type of list or format for list

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.)

-> by using the function of spam.insert for the same.

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

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

-> the value for above equation is “d”

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

-> the value for above equation is “d”

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

-> the value for above equation is [“a”,”b”]

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')?

-> the value for above equation is 1.

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

-> [3.14, 'cat,' 11, 'cat,' True, 99] is the changed look of the list bacon.

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

-> [3.14, 11, 'cat', True, 99] is the changed look of the list bacon.

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

-> operator for concatenation is +

-> operator for replication is \*

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

-> the append () method can only insert the value at the last of the list, but insert() method can insert the value anywhere the user wish in the list.

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

-> 1. remove(), 2. pop().

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, and be used with the in and not in operators.

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

-> lists are mutable and tuples are non mutable

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

-> a = 42

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

-> list (), tuple() respectively.

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

-> did not understood the question.

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

-> do not know.