1. What exactly is []?

- Square brackets are used for creating **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.)

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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)]? = “d”

4. What is the value of spam[-1]?= “d”

5. What is the value of spam[:2]?= ['a', 'b', 'c']

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, True, 99]**

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

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

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

del and pop

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

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

Main difference between List and tuples is that List are mutable, where as tuples are immutable.

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

my\_tuple = (42,)

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

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

Example => v = ('a','b',[1,2,3])

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

No Idea