1. What exactly is []?

**Answer:** It’s a blank 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.)

**Answer:** spam.insert(2,'hello')

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)]?

**Answer:** d

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

**Answer:** d

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

**Answer:** ['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')?

**Answer:** 1

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

**Answer:** [3.14, 'cat', 11, 'cat', True, 99]

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

**Answer:** [3.14, 11, 'cat', True, 99]

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

**Answer:** + is used for concatenation and \* used for replication.

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

**Answer:** Append add the data at last of list and insert can be used to add data in between first and last data inside a list

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

**Answer: pop and remove**

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

**Answer:** Lists are similar to strings, which are ordered collections of characters.

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

**Answer:** Lists are mutable and tuples are nonmutable.

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

**Answer:** l=(42)

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

**Answer:** List value tuple form: l=[(1,2,3),('s','p','q')]

Tuple value list form: m=([1,2,3],['a','b','c'])

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

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