1. What exactly is []?  
Ans. This is empty 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 are in spam.)  
Ans. spam[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)]?  
Ans. d

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

5. 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.

6. What is the value of bacon.index('cat')?  
Ans. 1

7. How does bacon.append(99) change the look of the list value in bacon?  
Ans. [3.14, 'cat', 11, 'cat', True, 99]

8. How does bacon.remove('cat') change the look of the list in bacon?  
Ans. [3.14, 11, 'cat', True]

9. What are the list concatenation and list replication operators?  
Ans. Concatenation +, Replication \*

10. What is difference between the list methods append() and insert()?  
Ans. append() adds the value in end, insert() can add value wherever we want.

11. What are the two methods for removing items from a list?  
Ans. remove() and del()

12. Describe how list values and string values are identical.  
Ans. Both are sequences, have length and position.

13. What's the difference between tuples and lists?  
Ans. Tuples are immutable, but lists are mutable that means lists can be modified but tuples can’t.

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

15. How do you get a list value's tuple form? How do you get a tuple value's list form?  
Ans. The tuple() and list() functions

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

17. How do you distinguish between copy.copy() and copy.deepcopy()?  
Ans. The copy.copy() function will do a shallow copy of a list, while the copy.deepcopy() function will do a deep copy of a list. That is, only copy.deepcopy() will duplicate any lists inside the list.