1. What exactly is []?

[] is exactly an 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 [2, 4, 6, 8, 10] are in spam.)

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)]?

d

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

d

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

[‘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')?

1

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

bacon = [3.14 , ‘cat’ , 11 , ‘cat’, True, 99]

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

bacon = [3.14,11,’cat’,True]

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

The operator for list concatenation is + and for list replication is \*.

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

append() is used to add elements at the end of the list while insert() can add elements

anywhere in the list.

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

The two methods for removing items from a list are pop() and remove().

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

Both strings and list can be passed to len(), have indexes and slices,be used in for loops

And can be concatenated and replicated.

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

Lists are mutable whereas tuples is immutable.This means, lists can be changed and tuples

cannot be changed.

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?

We can get it by using tuple() and list() functions.

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()?

The copy.copy() function will do a shallow copy of the list while copy.deepcopy() function will

do a deep copy of the list. copy.deepcopy() will duplicate any lists inside the list.