1. What exactly is []?

Empty list, contains no values.

1. 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)]?

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?

: [3.14, 'cat,' 11, ' True’,99]

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

list concatenation is + and list replication \*

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

Append gets added at the last, insert helps to inserts I between elements

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

Del statement and remove()

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

Both can be pass to len, index, slicig, loop

13. What's the difference between tuples and lists? List are mutable, tuples are immutable.

List[], tuples ()

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?

Tuple(listname), list[tuplename]

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

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

copy.copy() will do a shallow copy, copy.deepcopy() will do a deep copy like a duplicate in list.