1. What exactly is []?

Brackets

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? It will change 99 to ‘99’ and append ‘99’ at the last of bacon list i.e typecast from integer to string

8. How does bacon.remove('cat') change the look of the list in bacon? Lenth of bacon list will be reduce to 1 and ‘cat’ would be replace by True in list

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

Concatenation operator is + and replication operator is \*

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

append() takes only one argument and append the value at last of the list

insert() takes two argument. Insert Function place the value as per provided index value in function call and shift the next values if required

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

remove() and pop()

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

String and list values have indexing

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

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

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

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

dictionaries

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

Copy.copy() stores reference of original object but copy.deepcopy() creates new object