

1. What exactly is []?

A : 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.)

A: x[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)]?

A: d

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

A: d

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

A: 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')?

A: 1

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

A: [3.14,'cat',11,'cat',True,99]

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

A: [3.14,11,'cat',True,99]

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

A: list concat is used to add two list into a single list. List replication adds a list of itself

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

A: append is used to add values at the end of the list. Insert is used to add list or values in a given position in the parent list

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

A: remove, pop

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

A: both are iterable

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

A: List is mutable where are tuples are immutable.

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

A:(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?

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

A: copy copies the values into a stores them with new memory, where as, deepcopy copies the memory too. So whenever an operations takes place with the deepcopy variable, it affects the values in the parent variable too