1. What exactly is []?

Ans:- 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.)

Ans:- spam.insert(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, 99]

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

Ans:-list concatenation is adding another lists elements to existing list.

Replication replicates the elements into the list.

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

Ans:-append will add the element at end of the list

And insert is used to add element at particular index.

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

Ans:-1. Using remove method

2. Using pop method

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

Ans:- string are ordered collections of characters, list are ordered collections of the elements but list can have different types of elements .

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

Ans:-

Tuple list

tuple are immutable list are mutable we can add elements to list

tuple has a fixed size list have variable size

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

Ans:-x=(42,)

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

Ans:-list() and tuple()

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

Ans:- Didn’t understand plz explain

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

Ans:-

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