1. What exactly is []?

Ans- List

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.)

Ans- spam = [2, 4, 6, 8, 10]

spam[2]= "hello"

Let's pretend the spam includes the list ['a', 'b', 'c', 'd'] for the next three queries.

1. What is the value of spam[int(int('3' \* 2) / 11)]?

Ans- ‘d’

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

Ans- ‘e’

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.

1. What is the value of bacon.index('cat')?

Ans- 1

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

Ans- [3.14, 'cat', 11, 'cat', True, 99]

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

Ans- [3.14,11, 'cat', True, 99]

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

Ans- The operator for list concatenation is +, while the operator for replication is \*. (This is the same as for strings.)

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

Ans- append add the object in the end of the list but in insert we need to give 2 comment. 1st its place in the list and 2nd its object.

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

Ans- 1st is – remove() and 2nd is del()

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

Ans- Both lists and strings can be passed to len(), have indexes and slices, be used in for loops, be concatenated or replicated, and be used with the in and not in operators.

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

Ans- list is mutable but the tuples are immutable. We use [] for list and () for tuples.

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

Ans- expel – a = (42,)

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

Ans- tuple() and list()

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

Ans- They contain references to list values.

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

Ans- The copy.copy() function will do a shallow copy of a list, while the copy.deepcopy() function will do a deep copy of a list. That is, only copy.deepcopy() will duplicate any lists inside the list.