Assignment\_4

Ques -1 what is exactly is []?

Ans- This is empty list value, which is a list value that contain no items. This is similar to how “is the empty string value.”

Ques -2 In the list value stored in a variable called spam, how would u assign the value ‘hello’ as the third value? (Assume [2, 4, 6, 8, 10] are in spam.)

Ans- Spam [2] = ’hello’

{the third value in a list at index 2}

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

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

Ans - 'd' (Note that '3' \* 2 is the string '33', which is pass to int() before being divided by 11. This is eventually evaluate to 3. Expression can be use wherever value is used.

Ques-4 Which is the value of spam [-1]?

Ans- ‘d’ because negative indexes count form the end.

Ques-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.

Ques-6 What is the value of bacon.index(‘cat’)?

Ans- The value of bacon.index(‘cat’) is 1.

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

Ans- The list is look like-

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

Ques-8 How does bacon.remove(‘cat’) change the look of the list in bacon?

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

Ques-9 What are the list concatenation and list replication operators?

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

Ques-10 What is the difference between the list method append() and insert()?

Ans- append () is used for adding the value only to the end of the list and insert() can add them anywhere in the list.

Ques-11 What are the two methods for removing items from the list?

Ans The del statement and the remove() there are two methods of removing the items in the list.

Ques-12 Describe how list value and string values are identical?

Ans- Actually they both sequences. The difference between them, list are mutable and string are immutable and the list can be different type but stings contains the characters.

Ques-13 What is the Difference between list and tuple?

Ans- list is mutable, they can have value added, remove or changed and tuple is immutable it can not be added or change at all, tuples are written as parentheses and the list is square brackets.

Ques-14 How do you type a tuple value that only contain the integer 42?

Ans- t = (42)

Ques-15 How do you get a list value in tuple form? How do you get a tuple value’s as list form?

Ans- The list value in tuple form like tuple() and list[] respectively.

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

Ans- They contain references to list value.

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

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