

Assignment - 4

1A. [] means empty list

2A. spam=[1,2,3,4,5]

spam[2]='hello'

3A. Out of range (spam[6])

4A. 'd'

5A. ['a','b']

6A. 1

7A. *Adds 99 in the end of the list as the last value* - [3.14, 'cat', 11, 'cat', True, 99]

8A. *Removes cat from the beginning, second cat remains* - [3.14, 11, 'cat', True, 99]

9A. For concatenation, operator is + and for replication it is *

10A. Insert() inserts the value in the mentioned position of the list, append() always inserts at the end.

11A. To remove items from the list we can use remove() or pop()

12A. Both are sequences/ordered collection of characters.

13A. List are mutable, tuples are immutable

14A. Just give the tuple name

15A. By using tuple function -> tuple(l)

16A. List can contain Integers, Floats, lists, tuples or all or any of these combined

17A. Shallow copy copies the references of the object, but deep copy copies the copy of the objects. So when the objects change in the old list, the shallow copy will not reflect changes whereas deep copy reflects the changes of the objects.