

## Answer's / Explanation's

1. It is representing an empty list.
2. `spam[2] = 'hello'`
3. `'d'`
4. `'d'`
5. `['a', 'b']`
6. `1`
7. `[3.14, 'cat', 11, 'cat', True, 99]`
8. `[3.14, 11, 'cat', True]` # If we not consider changes made by question 7.
9. Concatenation operator is `+` and replication operator is `*`.
10. `append()` will add element after the current last element. Where as `insert()` will add element at the given index and moves the list elements from the given index to right.
11. `remove()` and `pop()` are two methods for removing items in list.
12. In list we specify index of element to get the element where as in string we specify character index which similar to list index.
13. Tuple is immutable which means we can't change the values once assigned. Where as list is mutable which means we can change the values even after assignment.
14. `(42)` or `tuple(42)`
15. `list(tuple_name)` and `tuple(list_name)`
16. They contain address of the list's first element.
17. `copy.copy()` will do shadow copy which means changes to this variable will reflect on the original. But in `copy.deepcopy()` changes will not reflect.