PYTHON IN 10 VIDEOS

Assignment - 3

1. Method to remove element from list?

a. remove()
b. pop()
c. delete()
d. discard()

2. Syntax to access 1st list element:

a. List[1]
b. list(0)
c. List[0]
d. list.first()

3: Output: test_list[-1] ?

a. First element of the list
b. Last element of the list
c. Second to last element of the list
d. 0

4. Output: test_list.count(element) ?

a. True if element is list else, False
b. Index of the element
c. no.of.occurences of element in the list
d. None of the above

5. How to reverse a list?

a. list.reverse()
b. reverse(list)
c. List[::-1]
d. All of the above

6. Method to sort a list

a. list.sort()
b. sorted(list)
c. Both A and B
d. None of the above

7. How to extract sublist from a list?

a. list.extract()
b. list.slice()
c. List[start:end]
d. sublist(list)

8. How to initialize an empty list ?

a. list()
b. []
c. empty_list()
d. Both a and b

9. Create a list of random numbers and sort it in ascending and descending order. Remove the duplicates from the list and print the modified list.

10. Write a function that takes a 3x3 matrix (nested list) as input and returns its transpose. Print the original and transposed matrices.

11. Create a list of the first 10 positive integers. Remove the elements at indices 2, 4, and 6, and insert the element '99' at index 5. Print the modified list.

[3]:

12.Create a new list containing the squares of the first 10 positive integers using a list comprehension. Print the new list.

13. Write a function that rotates a list by n positions. Print the original and rotated lists.

14. Write a function that takes two lists and returns a new list containing only the elements that are present in both lists. Print the intersected list.