Python List
Assignment

1. Write a Python program to sum all the items in a list.

2. Write a Python program to multiply all the items in a list.

3. Write a Python program to get the largest number from a list.

4. Write a Python program to get the smallest number from a list.

5. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are the same from a given list of strings.

Sample List : ['abc', 'xyz', 'aba', '1221']

Expected Result : 2

6. Write a Python program to get a list, sorted in increasing order by the last element in each tuple from a given list of non-empty tuples.

Sample List : [(2, 5), (1, 2), (4, 4), (2, 3), (2, 1)]

Expected Result : [(2, 1), (1, 2), (2, 3), (4, 4), (2, 5)]

7. Write a Python program to remove duplicates from a list.

8. Write a Python program to check if a list is empty or not.

9. Write a Python program to clone or copy a list.

10. Write a Python program to find the list of words that are longer than n from a given list of words.

11. Write a Python function that takes two lists and returns True if they have at least one common member.

12. Write a Python program to print a specified list after removing the 0th, 4th and 5th elements.

Sample List : ['Red', 'Green', 'White', 'Black', 'Pink', 'Yellow']

Expected Output : ['Green', 'White', 'Black']

13. Write a Python program to generate a 3*4*6 3D array whose each element is *.

14. Write a Python program to print the numbers of a specified list after removing even numbers from it.

15. Write a Python program to shuffle and print a specified list.

16. Write a Python program to generate and print a list of first and last 5 elements where the values are squares of numbers between 1 and 30 (both included).

17. Write a Python program to generate and print a list except for the first 5 elements, where the values are squares of numbers between 1 and 30 (both included).

18. Write a Python program to generate all permutations of a list in Python.

19. Write a Python program to get the difference between the two lists.

20. Write a Python program to access the index of a list.

21. Write a Python program to convert a list of characters into a string.

22. Write a Python program to find the index of an item in a specified list.

23. Write a Python program to flatten a shallow list.

24. Write a Python program to append a list to the second list.

25. Write a Python program to select an item randomly from a list.

26. Write a python program to check whether two lists are circularly identical.

27. Write a Python program to find the second smallest number in a list.

28. Write a Python program to find the second largest number in a list.

29. Write a Python program to get unique values from a list.

30. Write a Python program to get the frequency of the elements in a list.

31. Write a Python program to count the number of elements in a list within a specified range.

32. Write a Python program to check whether a list contains a sublist.

33. Write a Python program to generate all sublists of a list.