

Note : Solve program using List & List Comprehension

1. write a program to check a string is palindrome or not using string slicing
2. write a program to count no. of palindrome between 1 to 100
3. Sum of digits of n!
 - a. $n!$ means $n \times (n - 1) \times \dots \times 3 \times 2 \times 1$
 - b. For example, $10! = 10 \times 9 \times \dots \times 3 \times 2 \times 1 = 3628800$, and the sum of the digits in the number 10! is $3 + 6 + 2 + 8 + 8 + 0 + 0 = 27$. Find the sum of the digits in the number 100!
 - c. using list comprehension and without using list comprehension
4. Fibonacci series:
 - a. Print 10th even number in Fibonacci series
5. WAP that prints all number from 1 to 50 skipping multiples of 3
6. Write a program to read n number of values in a list and display it in reverse order.
7. Write a program to copy the elements of one list into another list.
8. Write a program to count a total number of duplicate elements in a list.
9. Write a program to print all unique elements in a list.
10. Write a program to count the frequency of each element of a list.
11. Write a program to find the maximum and minimum element in a list.
12. Write a program to separate odd and even integers in separate lists.
13. Write a program to sort elements of list in ascending order.
14. Write a program to sort elements of the list in descending order.
15. Write a program to find transpose of a given matrix.