

Simple Programs:

1. Given a list, print the elements of the list in separate lines.
2. Given an empty list, insert n elements to list.
3. Given a list, create a new list consisting of squares of all elements from the list.
4. Given a list, create a new list consisting of square roots of all elements from the list.
5. Given a list, Find the leftmost even number if any in a list. Else, display appropriate message.
6. Given a list of integers, add the number n to each element of the list
7. Write a program to find the difference between successive elements of a list
8. Write a program to create a list of all even numbers between 1 and 20 that are not divisible by 4.
9. Given a list, create a list with only unique elements
10. Given a list, create a new list which is sorted.
11. Find the left most element from the list which is greater than the given element
12. Create a list of numbers 1 to n except n//2
13. Create a list and fill it with numbers from n to 1 and then to 2 to n
example: if n = 4, then list is [4, 3, 2, 1, 2, 3, 4]
14. Create a list of three rows.
0th row should have numbers from 1 to n.
1st row should have squares of numbers from 1 to n.
2nd row should have cubes of numbers from 1 to n
example: if n = 3, the list should have [[1, 2, 3], [1, 4, 9],[1,8,27]]
15. To find the sum $1 * 2 + 2 * 3 + \text{upto } n \text{ terms}$. Display the sequence.
Example : if n = 4, then the output should be $1 * 2 + 2 * 3 + 3 * 4 + 4 * 5 = 40$.
16. WAP to print the count of all numbers which are divisible by 3 in a given list.
17. WAP to find the sum of even numbers and the sum of odd numbers separately for an input n
18. WAP to read the marks of 5 subjects and print the average.
19. WAP to print the numbers between 1 and n if the the number is divisible by 2 and not divisible by 3
20. Merge two lists such that new list contains one from first and the other from second. once the list is complete, append all from the longer list to the new list
Example: m = [23,45,67] n = [12,65,98,23,55]
output_list = [23,12,45,65,67,98,23,55]
21. Three lists given
l1 = [11,22,14]
l2 = [45,77,88]
l3 = [90,99,55,10]
output_list = [[11,45,90],[22,77,99],[14,88,55]]

22. Three lists given. Output must be sum of all numbers in that corresponding index

l1 = [11,22,14]

l2 = [45,77,88]

l3 = [90,99,55,10]

output_list = [sum1,sum2,sum3]

23. Three lists given. New list should have the remainder of every element divided by 10 in that index

l1 = [11,22,14]

l2 = [45,77,88]

l3 = [90,99,55,10]

output_list = [[1,5,0],[2,7,9],[4,8,5]]