BASIC LEVEL (List Fundamentals)

1. Create a list of integers and print each element using a for loop.
2. Find the **sum of all elements** in a list using a loop.
3. Count how many **even and odd numbers** are present in a list.
4. Find the **largest element** in a list without using max().
5. Find the **smallest element** in a list without using min().
6. Reverse a list **without using** reverse() or slicing.
7. Print only the elements at **even index positions**.
8. Print only the elements at **odd index positions**.
9. Count the number of **positive, negative, and zero** values in a list.
10. Copy elements from one list to another using a loop.

MEDIUM LEVEL (Logic + Lists)

11. Remove all **duplicate elements** from a list (without using set).
12. Find the **second largest element** in a list.
13. Check whether a list is **sorted or not**.
14. Separate **even numbers and odd numbers** into two different lists.
15. Count how many times a **specific element** appears in a list.
16. Find all **prime numbers present in a list**.
17. Create a new list that contains **square of each element**.
18. Rotate a list to the **right by 1 position**.
19. Merge two lists into a third list **without using + operator**.
20. Delete all elements divisible by **3** from a list.

MEDIUM–HARD LEVEL (Control Flow Focus)

21. Find the **first repeating element** in a list.
22. Find the **first non-repeating element** in a list.
23. Replace all **negative numbers with 0** in a list.

24. Count how many elements are **greater than the average** of the list.

25. Check if a list is a **palindrome**.

26. Find the **difference between maximum and minimum** elements.

27. Insert an element at a given position **without using insert()**.

28. Remove an element from a given position **without using pop()**.

29. Print list elements in **zigzag order** (start → end → next start → next end).

30. Find the **longest increasing continuous sublist**.