LIST – Practice Questions

1. Create a list of 10 integers.
2. Find the sum and average of elements in a list.
3. Find the largest and smallest element in a list.
4. Reverse a list without using reverse().
5. Sort a list in ascending and descending order.
6. Remove duplicate elements from a list.
7. Count occurrences of a given element in a list.
8. Merge two lists.
9. Split a list into even and odd numbers.
10. Find the second largest element in a list.

TUPLE – Practice Questions

11. Create a tuple with different data types.
12. Access elements using positive and negative indexing.
13. Convert a tuple into a list and modify it.
14. Find the length of a tuple.
15. Check whether an element exists in a tuple.
16. Count occurrences of an element in a tuple.
17. Find the index of an element in a tuple.
18. Unpack a tuple into variables.
19. Create a tuple with a single element.
20. Find the maximum and minimum values in a tuple.

SET – Practice Questions

21. Create a set from a list.
22. Add and remove elements from a set.
23. Find the union of two sets.
24. Find the intersection of two sets.
25. Find the difference between two sets.
26. Find the symmetric difference of two sets.

27. Check if a set is a subset of another set.
28. Remove duplicate elements using a set.
29. Find common elements in three sets.
30. Convert a set into a list.

DICTIONARY – Practice Questions

31. Create a dictionary with at least 5 key–value pairs.
32. Access values using keys.
33. Add and update dictionary elements.
34. Delete a key from a dictionary.
35. Iterate through keys and values.
36. Count frequency of characters in a string.
37. Merge two dictionaries.
38. Find the key with the maximum value.
39. Sort a dictionary by values.
40. Create a nested dictionary and access its elements.

MIXED / INTERVIEW-STYLE QUESTIONS

41. Convert a list into a tuple.
42. Convert a tuple into a set.
43. Convert a set into a dictionary.
44. Find common elements between a list and a set.
45. Remove duplicate words from a sentence.
46. Check whether all elements in a list are unique.
47. Count frequency of list elements using a dictionary.
48. Convert two lists into a dictionary.
49. Find elements present in one list but not in another.
50. Write a program using list, set, tuple, and dictionary together.