Python List Questions:

1. Check if a list contains an element

2. How to iterate over 2+ lists at the same time

3. When would you use a list vs dictionary?

4. Is a list mutable?

5. Does a list need to be homogeneous?

6. What is the difference between append and extend?

7. Do python lists store values or pointers?

8. What does "del" do?

9. What is the difference between "remove" and "pop"?

10. Remove duplicates from a list

11. Find the index of the 1st matching element

12. Remove all elements from a list

13. Iterate over both the values in a list and their indices

14. How to concatenate two lists

15. How to manipulate every element in a list with list comprehension

16. Count the occurrence of a specific object in a list

17. How to shallow copy a list?

18. Why create a shallow copy of a list?

19. How to deep copy a list?

20. What is the difference between a deep copy and a shallow copy?

21. What is the difference between a list and a tuple.

22. Return the length of a list

23. What is the difference between a list and a set?

24. How to check if an element is not in a list?

25. Multiply every element in a list by 5 with the map function

26. Combine 2 lists into a list of tuples with the zip function

27. Insert a value at a specific index in an existing list

28. Subtract values in a list from the first element with the reduce function

29. Remove negative values from a list with the filter function

30. Convert a list into a dictionary where list elements are keys

31. Modify an existing list with a lambda function

32. Remove elements in a list after a specific index

33. Remove elements in a list before a specific index

34. Remove elements in a list between 2 indices

35. Return every 2nd element in a list between 2 indices

36. Sort a list of integers in ascending order

37. Sort a list of integers in descending order

38. Filter even values out of a list with list comprehension

39. Count occurrences of each value in a list

40. Get the first element from each nested list in a list

41. What is the time complexity of insert, find and delete for a list?

42. Combine elements in a list into a single string.

43. What's the affect of multiplying a list by an integer?

44. Use the "any" function to return True if any value in a list is divisible by 2

45. Use the "all" function to return True if all values in a list are negative

46. Can you sort a list with "None" in it?

47. What kind of copy would the list constructor create from an existing list?

48. Reverse the order of a list

49. What is the difference between reverse and reversed?

50. What is the difference between sort and sorted?

51. Return the minimum value in a list

52. Return the maximum value in a list

53. Return the sum of values in a list

54. Use a list as a stack

55. Find the intersection of 2 lists

56. Find the difference between a set and another set

57. Flatten a list of lists with a list comprehensions

58. Generate a list of every integer between 2 values

59. Combine 2 lists into a dictionary

60. Reverse the order of a list using the slice syntax