List Functions:

- 1. append(): Adds an element to the end of the list.
- 2. insert(): Inserts an element at a specified index in the list.
- 3. extend(): Appends elements from another iterable (list, tuple, etc.) to the end of the list.
- 4. remove(): Removes the first occurrence of a specified value from the list.
- 5. pop(): Removes and returns an element from a specified index (or the last element if no index is provided).
- 6. index(): Returns the index of the first occurrence of a specified value in the list.
- 7. count(): Returns the number of occurrences of a specified value in the list.
- 8. sort(): Sorts the elements of the list in ascending order.
- 9. reverse(): Reverses the order of elements in the list.
- 10. copy(): Creates a shallow copy of the list.
- 11. clear(): Removes all elements from the list.
- 12. len(): Returns the number of elements in the list.
- 13. max(): Returns the maximum value from the list (works for numerical or alphabetical values).
- 14. min(): Returns the minimum value from the list (works for numerical or alphabetical values).
- 15. sum(): Returns the sum of all numerical elements in the list (if applicable).
- 16. join(): Joins elements of a list into a single string using a specified delimiter.
- 17. split(): Splits a string into a list of substrings based on a specified delimiter.

Questions

1.	What function can you use to find the length of a list?
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- 2. How can you add an element to the end of a list using a function?
- 3. Describe the purpose of the list.append() function. Provide an example.
- 4. What is the outcome of using the list.remove() function on a list containing duplicate elements?
- 5. Explain the purpose of the list.insert() function. Provide an example.
- 6. What function can you use to count the occurrences of a specific element in a list?
- 7. How can you reverse the order of elements in a list using a function?

- 8. Describe the behavior of the list.sort() function. Provide an example.
- 9. Explain the purpose of the list.extend() function. Provide an example.
- 10. How can you find the maximum and minimum values in a list using functions? Provide an example for each.
- 11. Describe the purpose of the list.pop() function. Provide an example.
- 12. Give difference between count and index.