1. **Creating a List**:

Create an empty list and add a few elements to it. Then, print the list to the console.

1. **Accessing List Elements**:

Create a list of your favorite fruits. Write code to print out the first and last elements of the list.

1. **List Length**:

Create a list of numbers. Write code to find and print the length (number of elements) of the list.

1. **Sum of List Elements**:

Create a list of numbers. Calculate and print the sum of all the elements in the list.

1. **List Iteration**:

Create a list of names. Use a loop to iterate through the list and print each name.

6. **List Filtering**:

Create a list of numbers. Write code to filter the list and create a new list containing only the even numbers.

7. **List Modification**:

Create a list of colors. Add a new color to the list, remove one color, and update another color. Print the modified list.

8. **List Sorting**:

Create a list of words. Sort the list alphabetically and print the sorted list.

9. **List Searching**:

Create a list of country names. Ask the user to input a country name and check if it exists in the list. Print a message indicating whether it's in the list or not.

10. **List Reversal**:

Create a list of characters. Reverse the order of the elements in the list and print the reversed list.

11. **List Slicing**:

Create a list of numbers from 1 to 10. Use list slicing to extract and print the elements from index 3 to 7.

12. **List Concatenation**:

Create two lists of your choice. Concatenate them to create a new list and print the combined list.

13. **List Duplication**:

Create a list of numbers. Write code to create a new list that contains each element of the original list repeated three times.

14. **List Manipulation**:

Create a list of integers. Write code to remove duplicates from the list and print the modified list.

15. **List Comprehension**:

Create a list of numbers. Use list comprehension to create a new list that contains the squares of the numbers from the original list.