1. Write a program that takes a list of integers and returns the sum of the integers.

2. Write a program that takes a list of strings and returns a new list with all strings in uppercase.

3. Write a program that takes a list of numbers and returns a new list with only the even numbers.

4. Write a program that takes a list of words and returns the longest word in the list.

5. Write a program that takes a list of integers and returns the smallest integer.

6. Write a program that takes a list of integers and returns True if the list is sorted in ascending order, False otherwise.

7. Write a program that takes a list of integers and returns a new list with the integers sorted in ascending order.

8. Write a program that takes a list of strings and a string. The program should return the index at which the string is found in the list, or -1 if the string is not in the list.

9. Write a program that takes a list of integers and returns the average of the integers.

10. Write a program that takes a list of strings and returns a new list with all strings that have a length of at least 5 characters.

11. Write a program that takes a list of integers and returns the median value.

12. Write a program that takes a list of integers and returns the range (the difference between the largest and smallest integers).

13. Write a program that takes a list of strings and returns a new list with all strings that start with the letter 'a'.

14. Write a program that takes a list of integers and returns a new list with the first and last elements swapped.

15. Write a program that takes a list of integers and returns True if the list contains any duplicates, False otherwise.

16. Write a program that takes a list of integers and returns a new list with all duplicates removed.

17. Write a program that takes a list of strings and returns a new list with all strings that are palindromes (words that are spelled the same forwards and backwards).

18. Write a program that takes a list of integers and returns the product of all the integers.

19. Write a program that takes a list of strings and returns a new list with all strings reversed.

20. Write a program that takes a list of integers and returns the sum of the integers that are divisible by 3.

21. Write a program that takes a list of strings and returns the longest string that is a palindrome.

22. Write a program that takes a list of integers and returns the mode (the integer that occurs most frequently).

23. Write a program that takes a list of integers and returns a new list with only the prime numbers.

24. Write a program that takes a list of strings and returns a new list with all strings sorted alphabetically.

25. Write a program that takes a list of integers and returns the sum of the squares of the integers.

26. Write a program that takes a list of strings and returns a new list with all strings that contain the letter 'e'.

27. Write a program that takes a list of integers and returns a new list with only the odd numbers.

28. Write a program that takes a list of strings and returns the shortest string in the list.

29. Write a program that takes a list of integers and returns the sum of the absolute values of the integers.

30. Write a program that takes a list of integers and returns a new list with the integers in reverse order.