1. Write a program that takes a number as input and prints out whether it is an even or odd number.

2. Write a program that takes a year as input and prints out whether it is a leap year or not.

3. Write a program that takes a string as input and checks whether it is a palindrome or not.

4. Write a program that takes three numbers as input and prints out the largest one. 5. Write a program that takes a sentence as input and counts the number of words in it.

6. Write a program that takes a list of numbers as input and prints out the sum of all the numbers.

7. Write a program that takes a list of strings as input and prints out the longest string.

8. Write a program that takes two lists of numbers as input and prints out the common elements between the two lists.

9. Write a program that takes a list of numbers as input and prints out the numbers in ascending order.

10. Write a program that takes a list of strings as input and removes all duplicates from the list

11. Write a program that takes a string as input and prints out the frequency of each character in the string.

12.Write a program that takes a string as input and checks whether it is a pangram or not.

13.Write a program that takes a list of numbers as input and prints out the median value.

14.Write a program that takes two strings as input and checks whether they are anagrams or not.

15.Write a program that takes a list of numbers as input and finds the second largest number in the list.

16.Write a program that takes a list of numbers as input and finds the sum of all the even numbers in the list.

17.Write a program that takes a string as input and prints out the words in reverse order.

18.Write a program that takes a list of numbers as input and prints out the numbers in descending order.

19.Write a program that takes a list of strings as input and prints out the strings in alphabetical order.

20.Write a program that takes a list of numbers as input and checks whether it is a Fibonacci sequence or not.

21. Write a program that takes a string as input and prints out the longest palindrome in the string.

22. Write a program that takes a list of strings as input and removes all strings that CDAC MUMBAI

contain the letter "a".

23. Write a program that takes a list of numbers as input and checks whether it contains any duplicates.

24. Write a program that takes a list of strings as input and prints out the strings that are palindromes.

25. Write a program that takes a string as input and prints out the most common word in the string.

26. Write a program that takes a list of numbers as input and finds the product of all the numbers.

27. Write a program that takes a string as input and removes all the vowels from the string.

28. Write a program that takes a list of numbers as input and checks whether it is a prime number sequence or not.

29. Write a program that takes a list of strings as input and checks whether all the strings are of the same length.

30. Write a program that takes a string as input and checks whether it is a pangram or not, using only lowercase letters.

31. Write a program that takes a list of numbers as input and checks whether the list is sorted in ascending order.

32. Write a program that takes a string as input and prints out the number of uppercase letters and lowercase letters in the string.

33. Write a program that takes two lists of numbers as input and prints out a new list containing the elements that are in the first list but not in the second list. 34. Write a program that takes a list of numbers as input and finds the smallest positive integer that is not in the list.

35. Write a program that takes a string as input and prints out the number of words that contain at least one vowel.

36. Write a program that takes a list of numbers as input and prints out the numbers that are perfect squares.

37. Write a program that takes a string as input and prints out the number of times each word appears in the string.

38. Write a program that takes a list of strings as input and prints out the strings that contain only uppercase letters.

39. Write a program that takes a list of numbers as input and prints out a new list where each element is the product of all the elements in the original list except for the current element.

40. Write a program that takes a string as input and checks whether it is a palindrome or not.