

1. Write a program that takes an integer as input and prints whether it's even or odd.
2. Write a program that swaps the values of two variables.
3. Write a program that calculates the factorial of a given number.
4. Check for Prime Number: Write a program that checks if a given number is prime.
5. Fibonacci Sequence: Write a program that prints the Fibonacci sequence up to a certain number of terms.
6. Reverse a String: Write a program that takes a string as input and prints its reverse.
7. Array Sum: Write a program that calculates the sum of elements in an array.
8. Maximum Element in Array: Write a program that finds the maximum element in an array.
9. Simple Calculator: Write a program that functions as a simple calculator (addition, subtraction, multiplication, division).
10. Check for Palindrome: Write a program that checks if a given string is a palindrome.
11. Count Vowels and Consonants: Write a program that counts the number of vowels and consonants in a given string.
12. Leap Year Check: Write a program that checks if a given year is a leap year.
13. Reverse a String: Write a program that takes a string as input and prints its reverse.

14. Check for Palindrome: Write a program that checks if a given string is a palindrome.
15. Count Vowels and Consonants: Write a program that counts the number of vowels and consonants in a given string.
16. String Concatenation: Write a program that takes two strings as input and concatenates them.
17. String Length: Write a program that calculates and prints the length of a given string.
18. Substring Extraction: Write a program that extracts a substring from a given string.
19. Check for Substring: Write a program that checks if a given substring exists in a larger string.
20. Uppercase and Lowercase Conversion: Write a program that converts a given string to uppercase and lowercase.
21. Count Occurrences of a Character: Write a program that counts the occurrences of a specific character in a given string.
22. Replace Characters: Write a program that replaces all occurrences of a specific character in a string with another character.
23. String Comparison: Write a program that compares two strings for equality.
24. First Non-Repeating Character: Write a program that finds and prints the first non-repeating character in a string.

25. Check for Anagrams: Write a program that checks if two strings are anagrams of each other.
26. String Palindrome Check (ignoring spaces and case): Write a program that checks if a given string is a palindrome, ignoring spaces and case.
27. String Rotation: Write a program that checks if one string is a rotation of another string.
28. Find each word in given string is palindrome or not