ITERATIVE PROGRAM LIST

- 1. Sum of 1st 20 prime number using a for loop
- 2. Print even numbers from 1 to 100 using a while loop
- 3. Print odd numbers from 1 to 100 using a do-while loop
- 4. Reverse a number using a for loop
- 5. Find the factorial of a number using a for loop
- 6. Display a multiplication table (1 to 10) using a for loop
- 7. Fibonacci series using a for loop
- 8. Find the sum of digits of a number using a while loop
- 9. Count the number of vowels in a string using a loop
- 10. Palindrome check using a loop
- 11. Sum of even numbers from 1 to N using a for loop
- 12. Sum of odd numbers from 1 to N using a while loop
- 13. Display prime numbers from 1 to N using a for loop
- 14. Check if a number is prime using a loop
- 15. Print numbers from 1 to 100 except multiples of 3 and 5 using a loop
- 16. Find the greatest common divisor (GCD) using a loop
- 17. Find the least common multiple (LCM) using a loop
- 18. Find all divisors of a number using a loop
- 19. Print the Fibonacci series up to N terms
- 20. Print a pyramid of stars using a loop
- 21. Check whether a string is a palindrome using a loop
- 22. Print the first N prime numbers
- 23. Find the sum of squares of the first N natural numbers
- 24. Display a triangle of numbers
- 25. Check if a number is Armstrong using a loop
- 26. Reverse a string using a loop
- 27. Count the number of even and odd numbers in an array using loops
- 28. Find the second largest number in an array using a loop
- 29. Find the average of an array using a loop
- 30. Print numbers in a spiral pattern using nested loops
- 31. Find the number of digits in a number using a loop
- 32. Generate a pattern of stars (e.g., diamond shape) using loops
- 33. Find the sum of odd digits in a number
- 34. Display a multiplication table of a given number using a while loop
- 35. Count how many prime numbers exist up to a given number
- 36. Print a matrix in spiral order using a loop
- 37. Find the number of vowels and consonants in a string
- 38. Find the maximum and minimum elements in an array
- 39. Print the factors of a number
- 40. Generate all the possible substrings of a string
- 41. Find the sum of the digits at even positions in a number
- 42. Find the sum of the digits at odd positions in a number
- 43. Display the elements of a 2D array using loops
- 44. Find the longest word in a sentence using a loop
- 45. Find the shortest word in a sentence using a loop
- 46. Check if a number is a perfect number
- 47. Check if a number is an Armstrong number
- 48. Print numbers in a triangular pattern

- 49. Find the common divisors of two numbers
- 50. Find the sum of the first N Fibonacci numbers
- 51. Generate a number pattern like Pascal's Triangle
- 52. Print a multiplication table in reverse order
- 53. Find the difference between the sum of even and odd numbers
- 54. Check if a given string contains only digits
- 55. Print a pattern like an inverted pyramid
- 56. Print numbers from 1 to N using a do-while loop
- 57. Count the number of digits in an array of numbers
- 58. Print a square matrix in a diagonal pattern
- 59. Print the Fibonacci series using a recursive function with loops
- 60. Count the occurrence of a specific character in a string
- 61. Check whether two strings are anagrams using a loop
- 62. Find the sum of the elements in a 2D matrix
- 63. Print a square of stars of size N using loops
- 64. Print an increasing number pattern
- 65. Print a decreasing number pattern
- 66. Print the sum of the first N even numbers
- 67. Print the sum of the first N odd numbers
- 68. Find the smallest element in an array
- 69. Find the largest element in an array
- 70. Find the total number of prime numbers in an array
- 71. Create a checkerboard pattern using loops
- 72. Print numbers in reverse order from N to 1
- 73. Print a zig-zag pattern with stars using loops
- 74. Display the Fibonacci sequence using a while loop
- 75. Print a half pyramid pattern of numbers
- 76. Print an inverted half pyramid of numbers
- 77. Find if a number is a power of two
- 78. Check if a number is a palindrome (reverse of number equals number)
- 79. Display a pattern of stars forming an X shape
- 80. Find the highest product of any two numbers in an array
- 81. Print the reverse of a string using a for loop
- 82. Print an alternating star pattern
- 83. Count occurrences of each digit in a number
- 84. Find the sum of digits divisible by 3 in a number
- 85. Display numbers in a spiral 2D matrix
- 86. Count the total number of positive and negative numbers in an array
- 87. Sum of all positive elements in a 2D array
- 88. Find the number of perfect squares up to N
- 89. Print a checkerboard pattern with alternating numbers
- 90. Find the second smallest number in an array
- 91. Find the sum of digits at even indexes in a number
- 92. Create a pattern that forms an hourglass shape with numbers
- 93. Find all palindromes in a given string
- 94. Find the number of non-zero digits in a number
- 95. Print the first N Fibonacci numbers recursively with loops
- 96. Generate a random 2D array and print its elements
- 97. Generate a multiplication matrix (N x N matrix)
- 98. Print a number pattern resembling a triangle

99. Count the occurrences of each character in a string using loops