**BASIC PROGRAMMING QUESTIONS REGARDING TO C LANGUAGE**

1. WAP to check A character is a vowel or consonant
2. WAP to check A character is an alphabet or not
3. WAP to find out Ascii values of a character
4. WAP to identify A number is positive or negative
5. WAP to identify A number is even or odd
6. WAP to Swap two numbers without third variable
7. WAP to find out Area of a circle(radius value user given)
8. WAP to find out LCM of two numbers
9. WAP to find out GCD of two numbers
10. WAP to find out Greatest of two numbers
11. WAP to find out Greatest of three numbers
12. WAP to find out Number of digits in an integer
13. WAP to find out Sum of digits of a number
14. WAP to find out Sum of N natural numbers
15. WAP to find out Sum of numbers in a given range
16. WAP to find out Reverse of a given number
17. WAP to find out Factorial of a number
18. WAP to find out Fibonacci series up to n
19. WAP to find out Leap year or not
20. WAP to identify an user given number is Prime number or not
21. WAP to identify an user given number is Palindrome or not
22. WAP to identify an user given number is Armstrong number or not
23. WAP to identify an user given number is Strong number or not
24. WAP to identify an user given number is Perfect number or not
25. WAP to identify Friendly pair or not (amicable or not)
26. WAP to identify Automorphic number or not
27. WAP to identify Harshad number or not
28. WAP to identify Abundant number or not
29. WAP to find out Power of a number
30. WAP to find out Factors of a number
31. WAP to print [Prime numbers in a given range](https://www.faceprep.in/prime-numbers-in-a-given-range/)
32. WAP to print [Armstrong numbers between two intervals](https://www.faceprep.in/print-the-armstrong-numbers-between-the-two-intervals/)
33. “[Can a number be expressed as a sum of two prime numbers”—WAP to exaplain?](https://www.faceprep.in/check-whether-a-number-can-be-expressed-as-a-sum-of-two-prime-numbers/)
34. WAP to [Replace all 0’s with 1 in a given integer](https://www.faceprep.in/program-to-replace-all-0s-with-1-in-a-given-integer/)
35. WAP [Binary to decimal conversion](https://www.faceprep.in/convert-the-given-binary-number-into-decimal-faceprep/)
36. WAP [Decimal to binary conversion](https://www.faceprep.in/convert-a-number-from-decimal-to-binary/)
37. WAP [Decimal to octal conversion](https://www.faceprep.in/convert-decimal-to-octal-number/)
38. WAP [Octal to decimal conversion](https://www.faceprep.in/convert-octal-to-decimal-number-faceprep/)
39. WAP [Binary to octal conversion](https://www.faceprep.in/convert-a-number-from-binary-to-octal/)
40. WAP [Octal to binary conversion](https://www.faceprep.in/convert-a-number-from-octal-to-binary/)
41. WAP to [Convert digit/number to words](https://www.faceprep.in/convert-a-given-number-to-words/)
42. WAP to find out [Number of days in a given month of a given year](https://www.faceprep.in/find-the-number-of-days-in-a-given-month-of-a-given-year/)
43. WAP to find out [Permutations in which n people can occupy r seats in a theatre](https://www.faceprep.in/find-all-possible-permutations-in-which-n-people-can-occupy-r-seats-in-a-theater/)
44. WAP to find out [Number of integers which has exactly 9 divisors](https://www.faceprep.in/find-the-number-of-integers-with-exactly-9-divisors/)
45. WAP to find out [Roots of a quadratic equation](https://www.faceprep.in/find-all-the-roots-of-a-quadratic-equation/)
46. WAP to print [Solid rectangle star pattern](https://www.faceprep.in/print-solid-and-hollow-rectangle-star-pattern/)
47. WAP to print [holow rectangle star pattern](https://www.faceprep.in/print-solid-and-hollow-rectangle-star-pattern/)
48. WAP to print [Pyramid pattern using stars](https://www.faceprep.in/pyramid-pattern-using-stars-or-pyramid-star-patterns/)
49. WAP to print [Pyramid pattern using numbers](https://www.faceprep.in/pyramid-pattern-printing-using-numbers-or-pyramid-number-patterns/)
50. WAP to print [Diamond pattern using stars](https://www.faceprep.in/diamond-pattern-printing-using-stars/)
51. WAP to print [Diamond pattern using numbers](https://www.faceprep.in/diamond-pattern-printing-using-numbers/)
52. WAP to print [Floyd’s triangle](https://www.faceprep.in/program-to-print-floyds-triangle/)
53. WAP to print [Pascal triangle](https://www.faceprep.in/program-to-print-pascals-triangle/)
54. WAP to find out [Smallest and largest element in an array](https://www.faceprep.in/find-smallest-and-largest-element-in-an-array/)
55. WAP to find out [Sum of elements in an array](https://www.faceprep.in/program-to-find-the-sum-of-elements-in-a-given-array/)
56. WAP to [Check if two arrays are the same or not](https://www.faceprep.in/program-to-check-if-two-arrays-are-equal-or-not/)
57. WAP to find out [Sum of positive square elements in an array](https://www.faceprep.in/find-the-sum-of-perfect-square-elements-in-an-array/)
58. WAP to identify [Second smallest element in an array](https://www.faceprep.in/find-the-second-smallest-element-in-an-array/)
59. WAP to [Sorting the elements of an array](https://www.faceprep.in/procoder/knowledgebase/bubble-sort/)
60. WAP to [Reversing an array](https://www.faceprep.in/program-to-reverse-an-array/)
61. WAP to find out [Longest palindrome in an array](https://www.faceprep.in/largest-palindrome-in-an-array/)
62. WAP to [Count distinct elements of an array](https://www.faceprep.in/find-non-repeating-element-in-an-array/)
63. WAP to print and count [Non-repeating elements of an array](https://www.faceprep.in/find-non-repeating-element-in-an-array/)
64. WAP to print and count [Repeating elements in an array](https://www.faceprep.in/find-repeating-element-in-an-array/)
65. WAP to [Remove duplicate elements in an array](https://www.faceprep.in/program-to-remove-duplicate-elements-in-an-array/)
66. WAP to find out [Minimum scalar product of two vectors](https://www.faceprep.in/program-to-find-the-minimum-scalar-product-of-two-vectors/)
67. WAP to find out [Maximum scalar product of two vectors](https://www.faceprep.in/program-to-find-the-maximum-scalar-product-of-two-vectors/)
68. WAP to find out [Triplets with a given sum](https://www.faceprep.in/find-all-triplets-with-the-given-sum/)
69. WAP to find out [Number of even and odd elements in an array](https://www.faceprep.in/program-to-count-the-number-of-even-and-odd-elements-in-an-array/)
70. WAP to find out [Frequency of each element of an array](https://www.faceprep.in/find-the-frequency-of-each-element-of-an-array/)
71. WAP to find out [Symmetric pairs in an array](https://www.faceprep.in/program-to-find-all-symmetric-pairs-in-an-array/)
72. WAP to identify [Arrays are disjoint or not](https://www.faceprep.in/check-if-the-given-arrays-are-disjoint/)
73. WAP to identify [Array is a subset of another array or not](https://www.faceprep.in/find-if-an-array-is-a-subset-of-another-array/)
74. WAP to [Sort elements of an array by frequency](https://www.faceprep.in/sort-elements-by-frequency-in-an-array/)
75. WAP to operate [Circular rotation of an array by K positions](https://www.faceprep.in/procoder/knowledgebase/circular-rotation-of-an-array-by-k-positions/)
76. WAP to [Merge two sorted arrays](https://www.faceprep.in/merge-two-sorted-arrays/)
77. WAP to find out [Sum of all odd frequency elements in an array](https://www.faceprep.in/find-the-sum-of-all-odd-frequency-elements-in-an-array/)
78. WAP to find out [Median of two sorted arrays](https://www.faceprep.in/find-the-median-of-two-sorted-arrays/)
79. WAP to solve [0-1 Knapsack problem](https://www.faceprep.in/0-1-knapsack-problem/)
80. WAP to operate [Matrix operations (Addition, subtraction and multiplication)](https://www.faceprep.in/program-to-perform-matrix-addition-matrix-subtraction-matrix-multiplication/)
81. WAP to find out [Transpose  of a matrix](https://www.faceprep.in/find-the-transpose-of-a-matrix/)
82. WAP to identify [Upper triangular matrix or not](https://www.faceprep.in/find-if-the-given-matrix-is-upper-triangular-or-not/)
83. WAP to identify [Lower triangular matrix or not](https://www.faceprep.in/find-if-the-given-matrix-is-lower-triangular-or-not/)
84. WAP to find out [the maximum element in a row](https://www.faceprep.in/find-the-minimum-and-maximum-element-in-each-row-of-a-matrix/) of an matrix
85. WAP to find out [the maximum element in a column](https://www.faceprep.in/find-the-minimum-and-maximum-element-in-each-column-of-a-matrix/) of an matrix
86. WAP to find out [Sum of each row and column of a matrix](https://www.faceprep.in/sum-of-elements-in-each-row-and-each-column-of-the-given-matrix/)
87. WAP to find out [Sum of boundary elements of a matrix](https://www.faceprep.in/print-the-sum-of-boundary-elements-of-a-matrix/)
88. WAP to print [Matrix in a spiral form](https://www.faceprep.in/print-the-elements-of-a-matrix-in-spiral-form/)
89. WAP to [Rotate the matrix by K times](https://www.faceprep.in/procoder/knowledgebase/rotate-the-matrix-by-k-times/)
90. WAP to operate [Matrix rotation by 90 degrees clockwise and anticlockwise](https://www.faceprep.in/procoder/knowledgebase/matrix-rotation-by-90-degrees-in-clockwise-and-anti-clockwise-directions/)
91. WAP to operate basic string operations(copy,concat,compare)
92. WAP to find out length of the string without using strlen() function
93. WAP to find Toggle each character in a string
94. WAP to count the number of vowels in a string
95. WAP to remove vowels from a string
96. WAP to identify String is a palindrome or not
97. WAP to sort a string in alphabetical order
98. WAP to remove brackets from an algebraic expression
99. WAP to remove spaces from a string
100. WAP to Count the sum of numbers in a string
101. Frequency of characters in a string
102. Replace substring in a string
103. Reverse a string
104. WAP to add Two Complex Numbers by Passing Structure to a Function
105. WAP to Generate Multiplication Table
106. WAP to Find the Sum of Natural Numbers using Recursion
107. WAP to reverse a sentence by using recursion
108. WAP to calculate the power by using recursion
109. WAP to Access Array Elements Using Pointer
110. WAP to Add Two Distances (in inch-feet system) using Structures
111. WAP to Store Information Using Structures with Dynamically Memory Allocation
112. WAP to Calculate Difference between Two Time Periods by using structure.