



## Arrays and Strings

1. Arrays in C/C++
2. Array of Strings
3. Multidimensional arrays in C/C++
4. Raw string literal
5. Counts of distinct consecutive sub-string of length two
6. Converting string to number and vice-versa
7. Find size of array in C/C++ without using sizeof
8. How to quickly reverse a string in C++?
9. Tokenizing a string in C++
10. Getline() function and character array
11. Convert string to char array in C++
12. C++ string class and its applications  
    , Set 2
13. How to create a dynamic 2D array inside a class in C++ ?
14. Lexicographically next permutation
15. Print size of array parameter



16. Split a string in C/C++, Python and Java
17. Stringstream in C++ and its applications
18. Strchr() function in C/C++
19. Isspace() in C/C++ and its application to count whitespace characters
20. Char\* vs std:string vs char[] in C++
21. Std::lexicographical\_compare() in C++STL
22. Std::string::at in C++
23. Std::substr() in C/C++
24. std::stol() and std::stoll() functions in C++
25. Extract all integers from string in C++
26. Strchr() function in C++ and its applications
27. Strcat() vs strncat() in C++
28. Strncat() function in C/C++
29. Strpbrk() in C
30. strcoll() in C/C++
31. Why strcpy and strncpy are not safe to use?



MONEY HEIST  
QUOTES

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“In this world, everything is governed by balance. There’s what you stand to gain and what you stand to lose. And when you think you’ve nothing to lose, you become overconfident.”

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Resources for learning about Binary Numbers  
: Binary Numbers and Base Systems as Fast  
as Possible

<https://www.youtube.com/watch?v=LpuPe81bc2w>

Addition of Binary Numbers with Fractions |  
Number Systems & Conversion

<https://www.youtube.com/watch?v=6e1bxzPgn9Y>

Addition of Binary Numbers

<https://www.youtube.com/watch?v=prGwhrGkTMI>

Bitwise Left and Right Shift Operator

<https://www.youtube.com/watch?v=js3KJwH06kw>

BITWISE OPERATORS

<https://www.youtube.com/watch?v=xXBitioUzf8>

Left and Right Shift

<https://www.youtube.com/watch?v=fDKUq38H2jk>

GITHUB FOR BEGINNERS

[https://www.youtube.com/watch?v=iR5WIknxdkY  
&t=1211s](https://www.youtube.com/watch?v=iR5WIknxdkY&t=1211s) Pull request in Github (easy)

<https://www.youtube.com/watch?v=rgbCcBNZcdQ>



Resources for learning about preprocessor directives: (VIMP contains #define )

<https://www.geeksforgeeks.org/cc-preprocessors/>

What is the difference between signed and unsigned int ?

<https://stackoverflow.com/questions/5739888/what-is-the-difference-between-signed-and-unsigned-int>

<https://www.youtube.com/watch?v=miwMEUfkqfY>

[https://www.youtube.com/watch?v=K\\_fjZH5mBaI](https://www.youtube.com/watch?v=K_fjZH5mBaI)

Difference between string.h and cstring ?

<https://stackoverflow.com/questions/8380805/difference-between-string-h-and-cstring#:~:text=string.,them%20in%20the%20global%20namespace.>

Difference between strlen() and sizeof() for string in C++ ?

<https://www.geeksforgeeks.org/difference-strlen-sizeof-string-c-reviewed/>



Study about Dynamic Arrays OR VECTORS in C++ (Do this only After Learning Arrays)

<https://www.geeksforgeeks.org/how-do-dynamic-arrays-work/>

<https://www.youtube.com/watch?v=PocJ5jXv8No>

Conditional or Ternary Operator (?:) in C/C++

<https://www.geeksforgeeks.org/conditional-or-ternary-operator-in-c-c/>

<https://www.youtube.com/watch?v=WSy25XB7Eak>

<https://www.youtube.com/watch?v=g5V4tL4MD6E>

PRACTICE :

<https://www.hackerrank.com/domains/cpp>TALKS

:Dear Class Of

2020[https://www.youtube.com/playlist?list=P\\_Ljq6DwYksrzxue8EuB6CxNEUtb2pHW-Rt](https://www.youtube.com/playlist?list=P_Ljq6DwYksrzxue8EuB6CxNEUtb2pHW-Rt)





adios : )