

DSA Course Contents

C++ Language

- Storage Classes
- Pointers
- Pass by Value & Pass by Reference Pass by Pointers
- Arrays
- 2D Arrays
- Strings
- Structures
- Unions

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- Analysis of Algorithm
- Order of Growth
- Asymptotic Notations
- Big O Notation
- Omega Notations
- Theta notation
- Time Complexity of various loops
- Time complexity of recursion loops
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- Applications of Stack and Default Return Types
- Stack Implementation
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- Stock Span Problem (Optimised Approach)
- Previous Greater Element in an Array
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- Divide & Conquer Introduction
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- Pokemon Gotta Win
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- Lets Learn Backtracking
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- Linear Search
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