

# Placement Strategy

**20LPA+ Package with 3 months Preparation**

# Week 1

DSA

- Array
- Linked List
- Doubly Linked List
- Stack
- Queue
- Trees
- Graphs
- Heaps(\*)
- Hash Tables(\*)

(\* Theory only)

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# Week 2

## Algorithms

- Search
  - Linear
  - **Binary**
- Sorting
  - Selection/Bubble/Insertion
  - **Merge Sort**
  - Quick Sort
- String Matching
  - Anagrams
  - Palindromes
- Graphs/Trees
  - **BFS**
  - **DFS**
  - Cycles in Graph
- Dynamic Programming
  - Recursive
  - Linear DP Only

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# Week 3/4

Practice, Practice, Practice...

# Week 5/6

Core CP

- Common Patterns of CP

Only Advanced

- Maths
  - Binary Exponentiation
  - Euclidean (GCF)
  - Sieve of Eratosthenes
  - Factorisation
  - Properties of Mod
  - Modulo Inverse
  - Euler Totient Fn
- Segment Tree (and BIT)
- Disjoint Set Union
- KMP/Rabin Karp(\*)
- Topological Sort (\*)

(\* Optional)

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# Week 7

Practice, Practice, Practice...

# Week 8

Core CS

- DBMS – 3 DAYS
- OS – 3 DAYS
- NETWORKING – 1 DAY

(\* Optional)

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# Week 9/10

Practice, Practice, Practice...

\* Common Patterns of Coding Interviews \*



# Week 11/12

2 Mock Interviews Daily - [pramp.com](https://pramp.com)

CTCI - Behavioral