IMPORTANT INTERVIEW QUESTIONS ASKED

Coding & Algorithm:-

- Find if the cycle is present in LinkedList.
- Linked list operations & how u can add last element to the linked list.
- You have given 5GB of files to sort them but you can use only 2 GB at a time. What sorting algorithm you will be using?
- Implement a queue using arrays.
- Convert string to camelcase, words separated by space
- Code:-Search an element
- Sort array based on the frequency
- Merging 2 lists and returning sorted list
- Finding kth smallest element after insertion of new element in the list.
- Sort linkedlist using keys
- Sort linkedlist using values
- How node works in linkedlist (reference of tail)?
- Implement Stack using Queue and Queue using Stack.
- Find the number using binary search.
- Print your name with its character index
- Program to reverse a string.
- Write program for linked list operation using recursion
- In a given string, return the character that appears the minimum number of times in the string. The string will only contain ascii characters
- Difference between list and linked list.
- Merge sort implementation.
- What is backtracking?
- 3 sum leetcode
- Print all permutation of string
- Find Maximum sum and minimum sum in an Array
- Stack vs queue?
- What is the difference between Dynamic Programming and Greedy algorithm? When we use DP and when greedy approach?
- Given 2*2 matrix find the difference of sum of the diagonals Optimize the approach
- print Maximum sum subarray.
- Pre order, postorder, inorder
- Diagonal difference in Matrix
- Char count in string
- Print next palindrome
- Binary tree, Binary search tree, priority queue
- Balanced binary search tree and diff b/w them

Language-Specific Questions

JAVA

- Why java is platform independent?
- Which class is always present in every class?
- Four pillars of OOPS
- What is the Super keyword?
- Why Java is Prefering OOPS concept?
- What is Object class in Java?
- What are errors and Exceptions?
- What is the thread in Java?
- What is hashMap? Internal working of hashmap.
- What is a Treemap?
- What is the difference between String and StringBuilder?
- What is LinkedHashMap?
- When we use linkedhashMap and hashMap?
- What is difference between Array and ArrayList?
- Is array better than ArrayList
- What is the difference between String and StringBuilder?
- Difference between equals and ==
- What is string pool?
- What are wrapper classes?
- Types of exception
- What is difference between treeMap and hashMap?
- What is use of spring?
- What is IoC?
- What is dependency injection?
- BeanScope
- Autowiring and its types.
- What is microservices?
- How to register microservices?
- What is spring cloud?
- How load balancing is done in microservices?
- What is entity manager?
- What is a session?
- Use of component and how we autowire the class.
- How to achieve singleton in customised class?
- Why we use Rest API over Soap.?
- How Querypath works in Spring?
- What is starting point in java application
- What is difference between Compiler and Interpreter based programming language?
- Annotations of spring framework.
- What's singleton & its features?
- Class and static class
- Async and await

- Memory management
- Streams, lambdas, Synchronisation
- What are design interfaces in Java?
- Annotations of spring framework.
- How to sort Hasmap data based on keys?
- How to sort Hasmap data based on values?

C++

- What is namespace std?
- What is the diamond problem?
- What is the difference between a pointer and a reference variable?
- How we can implement an interface in c++?
- What is the difference between array and vector?
- How to implent stack in c++ without stl?
- What is the difference between map and unordered_map?
- difference between C and C++
- What is oops
- Different types of inheritance in C++
- Error hierarchy in C++
- Difference between new and malloc
- What is friend function?
- What is virtual function?
- Difference between set and list

Python

- Why u want python?
- Why python is better?
- Can oops concept be implemented in python?
- How to implement hash map in python?
- Why we prefer Python over Java. What are new features in Python...?

FrontEnd

- React is library or Framework...?
- What is state in react...?
- What's the concept of Props drilling in react...?
- How is angular better
- life cycle methods in react
- How routing works.

OOPs

- What are the four main pillars of Oops?
- Define polymorphism.
- What are run time and compiler time polymorphism?
- What is the use of Interface?
- What is the use of Abstraction?
- Different types of Inheritance.

DBMS

- Mysql code to generate a specified bill for any Uber Ola.
- What is Joins and types of join?
- What is the Acid property?
- Difference between DROP and DELETE command.
- What is Normalization?
- Difference between MySQL & NoSQL.
- What is Schema in snowflake
- Design a database for IRCTC
- What are the Primary key and the Foreign key?
- To find the second highest salary.
- Aggregate functions in Mongo dB
- Group by , order by ,Sum() function

API

- Different between Soap and Rest.
- Different between put and post
- What is api?
- What is rest api?
- What are method is Rest API like post, put and etc.
- What is patches?
- Different between Json and XML
- How we can debug an API .
- Difference between rest controller and controller