

## Interview Preparation



### Lecture: 11 - Trees, STL & Databases

Doubts from last class?

Change data to sum of larger  
nodes in BST

# BST Class

# Preorder Traversal Iteratively

Sum of two nodes sum to zero in  
BST

# Binary Tree from Preorder & inorder

STL



- Vectors
- Stacks & Queues
- Deque
- Priority Queue
- Unordered Set & unordered map
- Set & Map

# Iterators

# Compare Function

# Hash function for Unordered map & Unordered set

# Pred function for Unordered map & Unordered set

# Databases

- Databases
- Tables
- Columns
- Rows

1. Create Database
2. Create Table
3. Alter Table
4. Insert data
5. Select Data
6. Delete data
7. Like Queries
8. Order By
9. Group By



# SQL Constraints while creating table

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1. Primary Key
2. Not Null
3. Default Value
4. Auto Increment
5. Create Index

1. Inner Join
2. Left Join
3. Right Join
4. Outer Join

# Normalization

Lets design the database for our  
tool



Thank you

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