# Data Structures

## Arrays

## Stacks

## Queues

## Linked Lists

## Trees

## Tries

## Graphs

## Hash Tables

# Algorithms

## Sorting

## Dynamic Programming

## Depth First Search (DFS)

## Breadth First Search (BFS)

## Recursion

Used for repeating sub-tasks

Key is setting up the base case

# Object Oriented Programming and Patterns

# System Design