**Programming Questions**

## **Basics**

* [Two Sum](https://leetcode.com/problems/two-sum/)
* [Palindrome Number](https://leetcode.com/problems/palindrome-number/)
* [Add Digits](https://leetcode.com/problems/add-digits/)
* [Roman to Integer](https://leetcode.com/problems/roman-to-integer/)
* [Multiply Strings](https://leetcode.com/problems/multiply-strings/)
* [Longest Common Prefix](https://leetcode.com/problems/longest-common-prefix/)
* [Valid Parentheses](https://leetcode.com/problems/valid-parentheses/)
* [Merge Two Sorted Lists](https://leetcode.com/problems/merge-two-sorted-lists/)
* [Remove Duplicates from Sorted Array](https://leetcode.com/problems/remove-duplicates-from-sorted-array/)
* [Remove Element](https://leetcode.com/problems/remove-element/)
* [Square Root of x](https://leetcode.com/problems/sqrtx/)
* [Single Number](https://leetcode.com/problems/single-number/)
* [Longest Valid Parentheses](https://leetcode.com/problems/longest-valid-parentheses)
* [Largest Number](https://leetcode.com/problems/largest-number)
* [Pow(x, n)](https://leetcode.com/problems/powx-n/)

## **Array**

* [Search Insert Position](https://leetcode.com/problems/search-insert-position/)
* [Pascal's Triangle](https://leetcode.com/problems/pascals-triangle/)
* [Summary Ranges](https://leetcode.com/problems/summary-ranges/)
* [Permutations](https://leetcode.com/problems/permutations/)
* [Subsets](https://leetcode.com/problems/subsets/)
* [Word Break](https://leetcode.com/problems/word-break/)
* [Rotate Array](https://leetcode.com/problems/rotate-array/)
* [Pascal's Triangle II](https://leetcode.com/problems/pascals-triangle/)

## **Stack**

* [Implement queue using stack](http://www.geeksforgeeks.org/queue-using-stacks/)
* [Check for balanced parentheses in an expression](http://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/)
* [Reverse a string using recursion](http://www.geeksforgeeks.org/reverse-a-stack-using-recursion/)
* [Design and implement special stack](http://www.geeksforgeeks.org/design-and-implement-special-stack-data-structure/)
* [Implement stack using queues](http://www.geeksforgeeks.org/implement-stack-using-queue/)
* [Expression evaluation](http://www.geeksforgeeks.org/expression-evaluation/)

## **Queue**

* [Level order traversal](http://www.geeksforgeeks.org/level-order-tree-traversal/)
* [Spiral level order traversal](http://www.geeksforgeeks.org/level-order-traversal-in-spiral-form/)
* [Implement queue using stacks](http://www.geeksforgeeks.org/queue-using-stacks/)
* [Applications of queue](http://www.geeksforgeeks.org/applications-of-queue-data-structure/)
* [Implement stack using queues](http://www.geeksforgeeks.org/implement-stack-using-queue/)
* [First circular tour that visits all petrol pumps](http://www.geeksforgeeks.org/find-a-tour-that-visits-all-stations/)
* [Iterative height of binary tree](http://www.geeksforgeeks.org/iterative-method-to-find-height-of-binary-tree/)

## **LinkedList**

* [Intersection of Two Linked Lists](https://leetcode.com/problems/intersection-of-two-linked-lists/)
* [Remove Linked List Elements](https://leetcode.com/problems/remove-linked-list-elements/)
* [Reverse Linked List](https://leetcode.com/problems/reverse-linked-list/)
* [Merge Two Sorted Lists](https://leetcode.com/problems/merge-two-sorted-lists/)
* [Remove Nth Node From End of List](https://leetcode.com/problems/remove-nth-node-from-end-of-list/)
* [Reverse Linked List II](https://leetcode.com/problems/reverse-linked-list-ii/)
* [Linked List Cycle](https://leetcode.com/problems/linked-list-cycle/)
* [Sort List](https://leetcode.com/problems/sort-list/)

## **Sorting Algorithms**

* [Sorting Algorithms](https://www.geeksforgeeks.org/sorting-algorithms/)
* [Majority Element](https://leetcode.com/problems/majority-element/)
* [Largest Number](https://leetcode.com/problems/largest-number/)
* [Kth Largest Element in an Array](https://leetcode.com/problems/kth-largest-element-in-an-array/)
* [Majority Element II](https://leetcode.com/problems/majority-element-ii/)
* [Top K Frequent Elements](https://leetcode.com/problems/top-k-frequent-elements/)

## **Trees and Graph**

* [Binary Tree Inorder Traversal](https://leetcode.com/problems/binary-tree-inorder-traversal/)
* [Symmetric Tree](https://leetcode.com/problems/symmetric-tree/)
* [Unique Binary Search Trees](https://leetcode.com/problems/unique-binary-search-trees/)
* [Unique Binary Search Trees II](https://leetcode.com/problems/unique-binary-search-trees-ii/)
* [Binary Tree Level Order Traversal](https://leetcode.com/problems/binary-tree-level-order-traversal/)
* [Maximum Depth of Binary Tree](https://leetcode.com/problems/maximum-depth-of-binary-tree/)
* [Balanced Binary Tree](https://leetcode.com/problems/balanced-binary-tree/)
* [Minimum Depth of Binary Tree](https://leetcode.com/problems/minimum-depth-of-binary-tree/)
* [Sum Root to Leaf Numbers](https://leetcode.com/problems/sum-root-to-leaf-numbers/)
* [Count Complete Tree Nodes](https://leetcode.com/problems/count-complete-tree-nodes/)

**SQL Questions**

## **Basic SQL**

1. [Select All](https://www.hackerrank.com/challenges/select-all-sql/problem)
2. [Select By ID](https://www.hackerrank.com/challenges/select-by-id/problem)
3. [Japanese Cities' Attributes](https://www.hackerrank.com/challenges/japanese-cities-attributes/problem)
4. [Weather Observation Station 1](https://www.hackerrank.com/challenges/weather-observation-station-1/problem)
5. [Weather Observation Station 3](https://www.hackerrank.com/challenges/weather-observation-station-3/problem)
6. [Basic Join](https://www.hackerrank.com/challenges/basic-select-join/problem)
7. [Higher Than 75 Marks](https://www.hackerrank.com/challenges/more-than-75-marks/problem)
8. [Employee Names](https://www.hackerrank.com/challenges/name-of-employees/problem)
9. [The PADS](https://www.hackerrank.com/challenges/the-pads/problem)
10. [Binary Tree Nodes](https://www.hackerrank.com/challenges/binary-search-tree-1/problem)

## **Aggregation**

1. [Revising Aggregations - The Count Function](https://www.hackerrank.com/challenges/revising-aggregations-the-count-function/problem)
2. [Average Population](https://www.hackerrank.com/challenges/average-population/problem)
3. [Weather Observation Station 5](https://www.hackerrank.com/challenges/weather-observation-station-5/problem)
4. [Top Earners](https://www.hackerrank.com/challenges/earnings-of-employees/problem)
5. [Weather Observation Station 20](https://www.hackerrank.com/challenges/weather-observation-station-20/problem)
6. [Weather Observation Station 14](https://www.hackerrank.com/challenges/weather-observation-station-14/problem)
7. [Revising Aggregations - The Sum Function](https://www.hackerrank.com/challenges/revising-aggregations-sum/problem)
8. [Revising Aggregations - Averages](https://www.hackerrank.com/challenges/revising-aggregations-avg/problem)
9. [Japan Population](https://www.hackerrank.com/challenges/japan-population/problem)
10. [Population Density Difference](https://www.hackerrank.com/challenges/population-density-difference/problem)

## **Join**

1. [Select By Join](https://www.hackerrank.com/challenges/select-by-join/problem)
2. [Interviews](https://www.hackerrank.com/challenges/interviews/problem)
3. [SQL Project Planning](https://www.hackerrank.com/challenges/sql-project-planning/problem)
4. [Asian Population](https://www.hackerrank.com/challenges/asian-population/problem)
5. [Print Prime Numbers](https://www.hackerrank.com/challenges/print-prime-numbers/problem)
6. [The Report](https://www.hackerrank.com/challenges/the-report/problem)
7. [The Report 2](https://www.hackerrank.com/challenges/the-report-2/problem)
8. [Ollivander's Inventory](https://www.hackerrank.com/challenges/harry-potter-and-wands/problem)
9. [Challenges](https://www.hackerrank.com/challenges/challenges/problem)
10. [Placements](https://www.hackerrank.com/challenges/placements/problem)

## **Advanced SQL**

1. [New Companies](https://www.hackerrank.com/challenges/the-company/problem)
2. [Rank Scores](https://www.hackerrank.com/challenges/rank-scores/problem)
3. [Department Top Three Salaries](https://leetcode.com/problems/department-top-three-salaries/)
4. [Sales Analysis I](https://leetcode.com/problems/sales-analysis-i/)
5. [Sales Analysis II](https://leetcode.com/problems/sales-analysis-ii/)
6. [Consecutive Numbers](https://leetcode.com/problems/consecutive-numbers/)
7. [Product Sales Analysis I](https://leetcode.com/problems/product-sales-analysis-i/)
8. [Product Sales Analysis II](https://leetcode.com/problems/product-sales-analysis-ii/)
9. [Product Sales Analysis III](https://leetcode.com/problems/product-sales-analysis-iii/)
10. [Product Sales Analysis IV](https://leetcode.com/problems/product-sales-analysis-iv/)

## **Subquery**

1. [Revising the Select Query I](https://www.hackerrank.com/challenges/revising-the-select-query/problem)
2. [Revising the Select Query II](https://www.hackerrank.com/challenges/revising-the-select-query-2/problem)
3. [Symmetric Pairs](https://www.hackerrank.com/challenges/symmetric-pairs/problem)
4. [Challenges](https://www.hackerrank.com/challenges/challenges/problem)
5. [Challenges II](https://www.hackerrank.com/challenges/challenges-ii/problem)
6. [Placements II](https://www.hackerrank.com/challenges/placements-2/problem)
7. [Placements III](https://www.hackerrank.com/challenges/placements-3/problem)
8. [Type of Triangle](https://www.hackerrank.com/challenges/what-type-of-triangle/problem)
9. [Super Reduced String](https://www.hackerrank.com/challenges/reduced-string/problem)
10. [Alien Username](https://www.hackerrank.com/challenges/alien-username/problem)

## **Analytical Functions**

1. [The Blunder](https://www.hackerrank.com/challenges/the-blunder/problem)
2. [Top Competitors](https://www.hackerrank.com/challenges/full-score/problem)
3. [The Report](https://www.hackerrank.com/challenges/the-report/problem)
4. [The Report 2](https://www.hackerrank.com/challenges/the-report-2/problem)
5. [The Report 3](https://www.hackerrank.com/challenges/the-report-3/problem)
6. [The Report 4](https://www.hackerrank.com/challenges/the-report-4/problem)
7. [Weather Observation Station 18](https://www.hackerrank.com/challenges/weather-observation-station-18/problem)
8. [Weather Observation Station 19](https://www.hackerrank.com/challenges/weather-observation-station-19/problem)
9. [Weather Observation Station 20](https://www.hackerrank.com/challenges/weather-observation-station-20/problem)
10. [Weather Observation Station 17](https://www.hackerrank.com/challenges/weather-observation-station-17/problem)