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| All the rows marked with GREY color are mandatory for everyone. |  |  |
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| Array | Reverse the array | <https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/> |
| Array | Find the maximum and minimum element in an array | <https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/> |
| Array | First and last occurrences of x | <https://practice.geeksforgeeks.org/problems/first-and-last-occurrences-of-x3116/1> |
| Array | Longest consecutive subsequence | <https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence2449/1> |
| Array | Remove elements | <https://leetcode.com/problems/remove-element/> |
|  |  |  |
| String | Reverse a String | <https://leetcode.com/problems/reverse-string/> |
| String | Check whethere String is Palindrom or not | <https://practice.geeksforgeeks.org/problems/palindrome-string0817/1> |
| String | Find duplicate Characters in String | [Print all the duplicates in the input string - GeeksforGeeks](https://www.geeksforgeeks.org/print-all-the-duplicates-in-the-input-string/) |
| String | Longest Repeating Subsequence | <https://practice.geeksforgeeks.org/problems/longest-repeating-subsequence2004/1> |
| String | Print all subsequence of string | <https://www.geeksforgeeks.org/print-subsequences-string/> |
| String | Balanced Paranthesis | <https://practice.geeksforgeeks.org/problems/parenthesis-checker2744/1> |
| String | Roman Integer | <https://leetcode.com/problems/roman-to-integer/> |
| String | Longest Common Prefix | <https://leetcode.com/problems/longest-common-prefix/> |
| String | Valid Palindrom | <https://leetcode.com/problems/valid-palindrome/> |
| String | valid Anagram | <https://leetcode.com/problems/valid-anagram/> |
| String | Word Pattern | <https://leetcode.com/problems/word-pattern/> |
| String | Reverse Vowels of String | <https://leetcode.com/problems/reverse-vowels-of-a-string/> |
| String | First Unique Character in String | <https://leetcode.com/problems/first-unique-character-in-a-string/> |
| String | Find the difference | <https://leetcode.com/problems/find-the-difference/> |
| String | Is Subsequence | <https://leetcode.com/problems/is-subsequence/> |
| String | Longest Palindrome | <https://leetcode.com/problems/longest-palindrome/> |
| String | FIZZ BUZZ | <https://leetcode.com/problems/fizz-buzz/> |
| String | Add Strings | <https://leetcode.com/problems/add-strings/> |
|  |  |  |
|  | Count Squares | <https://practice.geeksforgeeks.org/problems/count-squares3649/1> |
| Linked List | Reverse a LinkedList | <https://www.geeksforgeeks.org/reverse-a-linked-list/> |
|  |  |  |
| Spring boot | CRUD operations | Create , Read, Update , Delete Student record with Mysql |
| Database | Joins query | Write queries to join two tables - Inner join, outer join etc |
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|  | Singleton Class | Create a singleton class - pseudo code also fine for the interview |
|  |  | <https://www.geeksforgeeks.org/singleton-class-java/> |
|  | Java Streams api | Stream through a list and test all the methods including map, flatmap, filter, distinct, sorted, |
|  |  | <https://www.geeksforgeeks.org/intermediate-methods-of-stream-in-java/> |
|  |  | <https://www.swtestacademy.com/java-streams-intermediate-operations/> |
|  |  |  |
| Implement Comparator and Comparable |  | <https://www.geeksforgeeks.org/comparator-interface-java/> |
|  |  |  |
| multithreading : |  | <https://www.javatpoint.com/multithreading-in-java> |
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