### Objective

Problem solving skills are an essential part of the campus interviews. Purpose of this test series is to give students a chance to

* Revise important topics and concepts
* Give tests in a timed environment
* Work on the identified areas of improvement

### Evaluation Criteria

Following would be the evaluation criteria for the test series

* 25% - Tests
* 25% - Github submissions
* 50% - Mock interview at the end of the tests

### Plagiarism

Any instance of cheating found would disqualify a student from the test series. Identified students would not be allowed to sit in subsequent tests and score of **0** would be given for the whole subject

### Solutions

Solutions to the problem would be posted after the test in the following repository

<https://github.com/kaksha-dev/problem-solving/tree/main/uca_test_series>

### Test Schedule

We will be updating the table with the required topic and questions to solve at least a week before the scheduled test. Test Link would be updated in the table at the day of the test.

| **Test Date and Timing** | **Test Link** | **Topic** | **Sub Topic** | **Questions to Solve** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| 21-Dec-2023 2PM - 4PM (IST) |  | Data Structures | Stacks | <https://leetcode.com/problems/valid-parentheses/description/>  <https://leetcode.com/problems/implement-queue-using-stacks/description/>  <https://www.hackerrank.com/contests/17cs1102/challenges/8-c-postfix-expression-evaluation>  <https://leetcode.com/problems/remove-duplicate-letters/description/>  <https://leetcode.com/problems/longest-valid-parentheses/description/> | 1. All these problems should be done in C 2. Solutions to these problems should be checked into your github account |
| Queues | <https://leetcode.com/problems/design-circular-queue/>  <https://leetcode.com/problems/implement-queue-using-stacks/description/>  <https://leetcode.com/problems/find-maximum-non-decreasing-array-length/description/> |
| C | Bitwise Operators | Complete Following  [Assignment\_3 - Bits and Bytes](https://docs.google.com/document/d/1-8bj3mC6spA-fCh9pjcoXQFc7JcYxjFqrWSXyc2UkNU/edit) |
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