### **Live Session**

Welcome to the live session on ‘Stacks and Queues Module’.

**Objective**

In this session, the learners will resolve their doubts around the module. They will also revise the concepts that have been covered in the module.

**Agenda**

1. Part-I: Introduction (10 mins)
2. Part-II: Focused Teaching - Stacks and Queues - Conceptual (60 mins)
3. Part-IV: Interview Discussion (15 mins)
4. Part-V: Doubt Resolution (15 mins)

| Element Name | Colour Code |
| --- | --- |
| Doubt Resolution/P2P |  |
| Focused Teaching |  |
| Personalised Feedback |  |
| Career Guidance |  |
| Flip Classroom |  |
| Miscellaneous |  |

**Note for the Instructor:**

* Please make sure to test run your codes/queries prior to the session to avoid any hick-up during the session.
* During the hand-on as the learners are supposed to code parallelly, make sure to explain the steps clearly and keep track of the student's progress.

| Component | Instruction Task/Learner Task | Time (mins) | Element of Engagement |
| --- | --- | --- | --- |
| Part-I: Introduction | Introduce yourself & Congratulate the learners for their journey so far in the Course. | 10 | Social Support |
| Part-II:  Stacks and Queues | Discussion around the following topics in Module:  1. Properties of Binary Search Tree  2. Operations on Binary Search Tree (Insert, Delete,Search)  3. Priority Queue  4. Heaps, Max Heap, Min Heap  5. Heap Sort  Practice = https://www.interviewbit.com/problems/root-to-leaf-paths-with-sum/  https://www.interviewbit.com/problems/min-depth-of-binary-tree/  Last 30 mins:  https://www.interviewbit.com/problems/maximum-sum-combinations/ | 120 | Focused Teaching |
| Part-IV: Interview Preparation | Address some common interview questions related to the module. Also, ask the learners to answer a few of them first before you provide them with the necessary explanation. | 10 | Interview Questions |
| Part-V: Doubt Resolution | Clear the doubts that the learners might have.  *Don’t spend too much time on unnecessary or vaguely-constructed doubts.* | 15 | Doubt Resolution |