Live Session: Java-Live Solving Practice

Welcome to the live session on ‘Java- Problem Solving Practice’. The live session length will be 2 hours 15 minutes.

In this session,the SME will be covering some of the intermediate concepts of Java.

This session will be mixed of Java and hands-on coding session and will be covering the

following topics

in the agenda

● Basic Java Problem Solving Questions

● Arrays Practice Questions

● Strings Practice Questions

Note for the SME:

● This is going to be a purely interactive session wherein the trainer would try to engage students more.

● Before running the code on a sample test case, ask the learners about their outputs.

The code demos will be within IDE on a local machine.

● Please make sure to test run your codes/queries prior to the session to avoid any

hick-up during the session.

● For each coding question practice using multiple approaches to help student reach to

optimal solution through each approach.

Part I: Basic Java Problems (36 minutes)(10-12 problems)

1. Start with Basic Java Problems covering multiple choice questions from the topics covered in previous two sessions.
2. For each question try to close multiple choices as close as possible , and keep on asking students the thought process between the choices they are making
3. Try to touch upon intricacies missed out in previous sessions using these problems

Doubts\_pause: (2 mins)

Please check if they have any doubts from the topics covered so far

Part 2: Arrays Problems(45 minutes)(3 medium problems)

1. SME is free to pick up 3 problems of their choice. The problem should be medium level problem
2. SME can start with an overview of previous covered questions if these new problems are in continuation of the previous ones(preferred approach)
3. SME should give students time to think of a solution before sharing the working code, and build on a solution with them to develop analytical thinking
4. One problem on matrix should be covered in this session.

Doubts\_pause(2 minutes)

Part 3: String Problems(45 minutes)(3 medium problems)

1. SME is free to pick up 3 problems of their choice. The problem should be medium level problem
2. SME can start with an overview of previous covered questions if these new problems are in continuation of the previous ones(preferred approach)
3. SME should give students time to think of a solution before sharing the working code, and build on a solution with them to develop analytical thinking
4. One problem on pattern matching should be covered in this session.

Doubts\_pause: 5 minutes

SME should make sure the questions covered in class are clear with respect to approach to all the students. This is a very critical session to develop analytical thinking. Focus should be on quality problem coverage.