

**SI SESSION PLAN**

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| SI Leader: | Alex Iacob | Session Date: | 11/18/21 |
| Week #: | 13 | Session Letter: | B |
| Course & Section: | CSCI 141 Section 3 | Course Instructor: | Steele |
| Planning Date: | 11/18/21 | Planning Time: | 10:00 – 10:15 |

**Beginning reminders:**

1. Is the room set up in a way conducive to collaborative learning?
2. Is the agenda posted to the board for participants to see?
3. Do you have your attendance sheet up to record your attendance?
4. Do you have any other documents/resources up and ready to go for your session?

If you are all set with the reminders, then go have fun and good luck!

**Main concepts student should feel more comfortable with:**

* Trees
* Tree traversal

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| **Topics to cover** | **Process to use\*:** | **Time** |
| **Opener:** Announcements | CS1 doesn’t meet next week Lab 9 due Tuesday  No HW this week | 2-3 |
| Tree traversal | There are 3 main ways to traverse a tree:  Pre order: Parent, Left, Right  In order: Left, Parent, Right  Post order: Left, Right, Parent  Easiest way to remember these is just to remember the relation to the Parent. Pre order has the Parent “pre left and right”, In order has the Parent “in between left and right” and Post order has the Parent “post left and right”.  I’m also going to show them this particular method for tree traversal;  https://docs.google.com/document/d/1hTZqyxi6pUl1mHOjO58Oag2D5H3CYrAfm7Phjhr9b7U/edit?usp=sharing | 15-20 |
| Leetcode | I’m going to find a leetcode question about trees and do it with them. I remember Maggie saying this during a previous training so I’m going to use it here. | 20-30 |
| **Closer:** | Mention how a lot of companies just take leetcode/hackerrank problems and just use those as their coding assessments. | 5-10 |

*\*Possible processes: puzzles, informal quiz, think-pair-share, paired problem solving, graphic organizers, cheat sheets, collaborative questioning, student summaries, reviewing notes, work at the board, vocabulary…*

**Ending reminders:**

1. Did you check everyone in?
2. Did you remind everyone of the next session and any upcoming tests or quizzes or due dates?

**What closing tips/strategies would you like to emphasize through sessions this week?** Please be specific.

* A lot of technical interviews just use questions from online coding practice sites, so practicing on them is going to make technical interviews easier in the future.

**After session thoughts:** How did the session go? Is there anything you would like to keep/drop/change for next time and how?

* I felt pretty dead the entire time because I had to pull an all-nighter to finish an assignment. Being awake for over 40 hours is not that great. I do want to include more leetcode/hackerrank examples because they show pretty practical examples of what we are learning as interview questions.

**Bi-Weekly Question:** Do students have a final project or assignment to be focusing on? If so, how do you plan to help them?

* The main thing that they have to worry about is just the final exam. They luckily get no major semester project to work on throughout other assignments.