|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SI SESSION PLAN** | |  |  |  |  | | --- | --- | --- | --- | | SI Leader: | Alex Iacob | Session Date: | 2/2/23 | | Week #: | 3 | Session Letter: | B | | Course & Section: | CSCI 141 Section 2 | Course Instructor: | Polak | | Planning Date: | 2/2/23 | Planning Time: | 2:45 – 3:00 | |

**Beginning reminders:**

Is the room set up in a way conducive to collaborative learning?

Is the agenda posted to the board for participants to see?

Do you have your attendance sheet up to record your attendance?

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!

**Is there a study strategy you want to focus on? (If so, what is it? Otherwise, leave blank.)**

Recursion is one of those things that you will just get one day and not really understand why. It will happen though, keep at it

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

Recursion

Execution Diagrams

Turtle movement

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity\*** | **Process to use** | **Time** | **After Session Thoughts** |
| **Opener:**  Birds | Old faithful birds, nothing more to say | 5-10 | Birds   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  | |
| **Recursive rectangles** | Every rectangle has two smaller(half the size of the original) rectangles. Depending on the number of students, they can be split up and start working on it together OR we can work on the board together. | 30-35 | Pretty good, had the students talk a lot with each other  We added colors by the end of it   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |
| **Execution diagram** | Exec diagram using parameters (100, 3)  rectangles (100, 3)  single\_rectangle(100)  rectangles(50, 2)  single\_rectangle(50)  rectangles(25, 1)  single\_rectangle(25)  rectangles(12.5, 0)  rectangles(12.5, 0)  rectangles(25, 1)  single\_rectangle(25)  rectangles(12.5, 0)  rectangles(12.5, 0)  rectangles(50, 2)  single\_rectangle(50)  rectangles(25, 1)  single\_rectangle(25)  rectangles(12.5, 0)  rectangles(12.5, 0)  rectangles(25, 1)  single\_rectangle(25)  rectangles(12.5, 0)  rectangles(12.5, 0) | 20-25 | Saw a lot of confusion with this one, but I think that they have a better understanding now.   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |
| **Closer:**  **Check-up** | Check ups are important for students | 2-3 | Everyone said that they were starting to feel the stress of the semester. I don’t blame them, learning recursion is the first big hurdle of CS1.   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | ☹ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ☺ | |  |  |  |  |  |  |  |  |  |  | |

*\*See the* [*Activity Database*](https://docs.google.com/spreadsheets/d/1Oc6uAX2Uaq2Ym6M1FQjivRI_ryA_T9k1AcEKi__3Ml4/edit?usp=sharing) *and* [*SI Share*](https://drive.google.com/drive/folders/1WKkkRXpRW6_OVdc4eFVgAkDRt7y8E_VT?usp=sharing) *for ideas.*

**Ending reminders:**

Did you mark down attendance on your attendance sheet?

Did you remind everyone of the next session and any upcoming tests or quizzes or due dates?

Did you fill in the after session thoughts?

**Optional Notes and Comments:**

**Bi-Weekly Question:** What marking strategies are you planning on using to promote your SI sessions?  
Talking with the students during the lab sessions has given me the best results thus far. Nearly all of the students know about my sessions by this point, but there are a handful of them with time conflict(s). I actually have a student that talked about having a 1 credit class that happens during one of the session times, and that he’s going to start coming to them after the class is finished.