CSCI 201: Data Structures

Fall 2024

Lab 10: Course Reflection

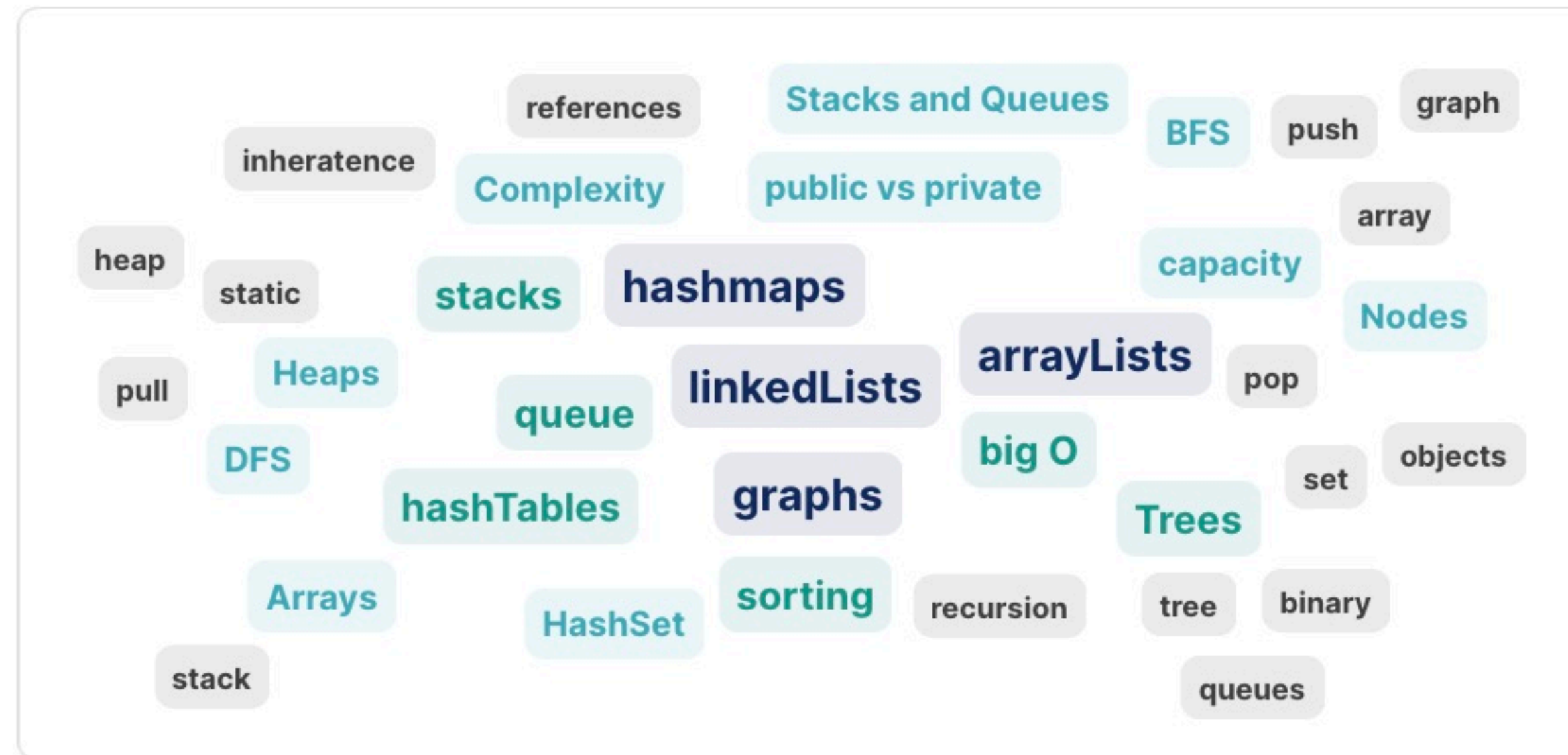# What are some topics/keywords we covered this semester? Please enter your response at slido.com (# 2948807).

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Revisiting our objectives for the semester.

- Write programs that efficiently implement and use data structures such as arrays, maps, linked lists, stacks, queues, trees and graphs.
- Design, develop, debug and test a `Java` program that uses appropriate standard libraries to efficiently solve a problem.
- Evaluate the time and space complexity of algorithms using empirical and mathematical analysis.

You implemented: sorting algorithms (bucket sort, radix sort), `DIYArrayList`, `LinkedList`, `MaxHeap`, `DIYTreeMap`, `DIYHashMap`, BFS/DFS.
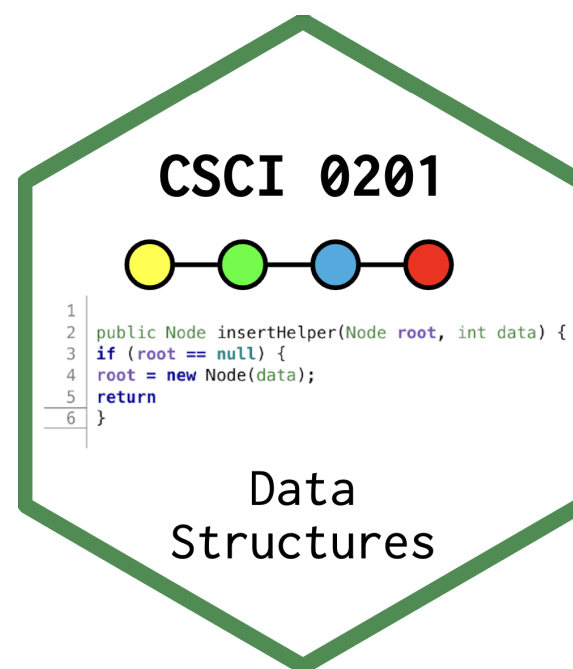
In the context of: a few games, implementing a text editor, postfix calculator, word frequency counter, store cart price calculator, automatic maze solver.
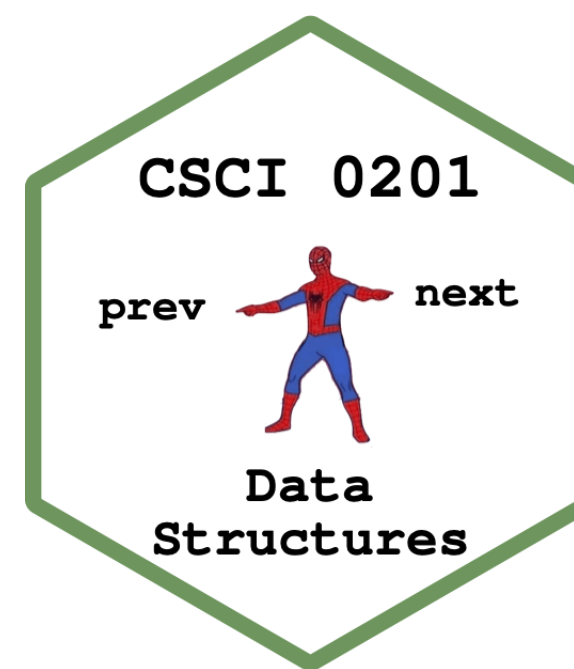
```
import java.util.*;
```

Thank you :)
Please complete the Course Response Form!

- **Save a screenshot** to submit with Lab 10.
- I will be next to room 224 by the windows for the rest of the lab (stop by if you have any questions).
- **Final Exam:** (released Tuesday 12/10 and due Friday 12/13)
  - **Two components:** Part 1 on Canvas and Part 2 (programming) submitted to Gradescope.
  - **Study Guide** will be posted today.

Current Sticker   New Sticker?