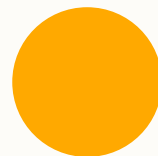




Final Exam Review

Reese Hatfield



0



Exam

- Exam Review
 - Coming soon
 - If not here, will not be given credit
 - Unless otherwise arranged
 - There is no makeup
- All topics will be covered
 - Let's look at those





Sorting

- Inheritance
- Abstract Classes
- Interfaces
- Dynamic Dispatch
- Implementation Separation
- Data Modeling
- Type Composition
- Casting
- Comparable/ator sorting
- Copy Constructors
- Checked/Unchecked Exceptions
- try/catch/finally
- Swing
- JButtons, Input methods
- ActionListener
- Event Dispatch Thread
- Layout Managers
- JPanels as containers
- Custom graphics (paintComponent(g))
- Separation of Concern





Sorting

- Threads
- Join, start, run
- Runnable vs Extending Thread
- Volatile & Synchronized
- Generics
- Bounded Types
- ADTs
 - Stacks
 - Queues
 - Maps
 - Lists
- ArrayList + LinkedList
- Algorithms
- Searching
- Sorting
- Recursion
 - Base case
 - Recursive step
- Basic time complexities
- Callstack
- Race Conditions
- Priority Queues

