

CSE 142 Short Final Review

Presented by

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General tips

- Slow down
- Generalize the problem
- When in doubt, ask a question
- Use **all** your time
- Practice-It is your best friend

Arrays

- They start at 0
- Your bounds are the hardest thing:
 - `for(int i = 0; i < array.length; i++)`
 - `for(int i = 0; i < array.length - 1; i++)`
 - `for(int i = 2; i < array.length; i++)`
- Second hardest thing:
 - `if(array[i] == array[i+1])`
 - `if(array[i] == array[i-1])`
 - `if(array[i] == array[i-1] + array[i-2])`

File I/O

- Token based – single loop with `.hasNext()`
- Line based – double loop with `.hasNextLine()` and also `.hasNext()` on the inside loop
- Always use `.equals()` to compare Strings
- Get familiar with String methods such as `.substring()`, `.replace()`, `.charAt()` etc...

Critters

- Fields are memory
- Methods are behavior, based on fields
- Write down all the types for CritterInfo, Action, Neighbor, etc...
- These are not static methods, do not write “static”
- There are no loops. Stop failing.