

Static Fields

CSE 114 INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING

Announcements

Topics:

- Static fields
- Program structure expanded
- String class
- Command line arguments
- Measuring execution time

Reading:

- For today's lecture, read the notes
- For lectures in the coming weeks, follow the notes closely and use the textbooks as a reference

Static fields

Expanding our universe with static fields

- See [program_structure_3.txt](#) (v. 3)
- See [StaticFields.java](#)
 - We will draw a memory diagram with static fields

The `java.lang.String` class

See [string.txt](#)

In [string.txt](#) you will also see the following very important files:

- [StringTest.java](#)
- [SplitTest.java](#)

Command line arguments

That is, what is `(String[] args)` in main for?

Now that we have seen arrays and strings, we can discuss this

See [ArgsTest.java](#)

See [ArgsTest2.java](#)

See [SimulateOS.java](#)

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Measuring execution time

See [Benchmark.java](#)

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Indenting your code nicely

The indentation that you use should reflect the structure of your Program

See [Digits.java](#) for an example (a bad one at that, done by a student)

- This example shows not only bad indentation but also bad logic as well. Take a look and see what a grader would have to go through to grade a program like this.
- Imagine one of your co-workers wrote a program like this – would you want to work with someone like that?

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Creating your own types (classes)

And writing a program consisting of multiple classes

That will be the second phase of the semester, coming soon!

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