Ch8: Abstract Classes

12 February 2007
CMPT167
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Review of last time

- Method overloading
  - Operator overloading not in Java
- JApplet
  - init()/destroy()
  - start()/stop()
  - draw()

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Implementing Abstract Classes

- **Abstract classes**
  - Not meant to be directly instantiated
  - Make a subclass and instantiate that
  - May define virtual methods with empty or non-useful bodies
    - Subclass overrides virtual method with own implementation
- Everything is a subclass of java.lang.Object
  - toString(): virtual method, used by System.out.print()

Example: TimeTest

- (See java/ examples directory)
- Time1 is a subclass of Object
  - No main() function
  - Instantiated in TimeTest
- TimeTest is our main program
  - Testbed for the Time1 class

TODO

- Midterm next week Wed 21Feb
- Lab3 due next week Wed 21Feb:
  - Recursion (fractal tree)

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