CISC 3115 TY3
C12c: The final Modifier

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Outline

- Discussed
  - The Object class and its methods
    - toString()
    - equals and its contract
  - The protected visibility modifier
- The final modifier
- ArrayList, arrays, and Collections

The final Modifier

- The final modifier can also be applied to a class?

- Question: where else can you use the final modifier?

Meaning

- Applying the final modifier to a variable
  - The value of the variable cannot be changed, i.e., the variable is intended to be a constant
- Applying the final modifier to a method
  - The implementation of the method cannot be changed, i.e., the method cannot be overridden by the class's subclasses.
- Applying the final modifier to a class
  - The class hierarchy cannot grow downward from the class, i.e., the class cannot be extended.

Examples

- Let's make Java compiler complain.

Questions?

- The final modifier

- Where can we use it?
  - To variable
  - To method
  - To class

- Meaning?