

CISC 3115 TY2

# The final Modifier

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# Notice

- The slides are always subject to change.
- The slides posted before the lecture are for preview only, and they are a draft and their content can change significantly.

# Outline

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

# The final Modifier

- Question: where can you use the final modifier?

# Applying the final Modifier

- 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?