

Unit 10_010.010 – The Object Class

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1. Why is the Object class important?
2. What does the `.toString()` method do? Why is it considered a "magic method?"
3. What data type does the `.hashCode()` method return?
4. What data type does the `.equals()` method return? How does the `.equals()` method relate to the `.hashCode()` method?

Unit 10_010.020 – The Namespace Problem

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5. What is a Namespace?
6. Why can variables have the same name in different methods?
7. When is it OK for two methods to have the same name (and signature)?

Unit 10_010.030 – Namespaces and Package Names

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8. In the following url, "woz" is the name of a server. Identify the TLD, SLD, and the subdomain.

`https://woz.csmp.missouriwestern.edu`

9. Suppose you work for a company that used the subdomain `code.ajax.com`. How would you start the package names for your company?

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