

4.06 Virtual Lecture Notes

The **String** class contains many methods that are directly and indirectly related to determining whether two **Strings** contain equal content. Download the demo files for each of the following methods and examine the source code. Experiment with each program until you understand how the methods work.

<code>boolean</code>	<code>equals(Object anObject)</code> Compares this string to the specified object.
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Run the EqualsMethod.java file previously downloaded to the 4.06 String Methods project folder.

<code>boolean</code>	<code>equalsIgnoreCase(String anotherString)</code> Compares this String to another String, ignoring case considerations.
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Run the EqualsIgnoreCaseMethod.java file previously downloaded to the 4.06 String Methods project folder.

<code>String</code>	<code>toUpperCase()</code> Converts all of the characters in this String to upper case using the rules of the default locale.
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Run the ToUpperCaseMethod.java file previously downloaded to the 4.06 String Methods project folder.

<code>String</code>	<code>toLowerCase(Locale locale)</code> Converts all of the characters in this String to lower case using the rules of the given Locale.
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Run the ToLowerCaseMethod.java file previously downloaded to the 4.06 String Methods project folder.

<code>int</code>	<code>compareTo(String anotherString)</code> Compares two strings lexicographically.
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Run the CompareToMethod.java file previously downloaded to the 4.06 String Methods project folder.

<code>int</code>	<code>compareToIgnoreCase(String str)</code> Compares two strings lexicographically, ignoring case differences.
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Run the CompareToIgnoreCaseMethod.java file previously downloaded to the 4.06 String Methods project folder.