

Strings

Summary

The Java String Class

- Strings are used for **storing** and **transmitting** data, for finding information
 - From Hello Around the World to Gene Finding in DNA to Web Crawling for Search Engines



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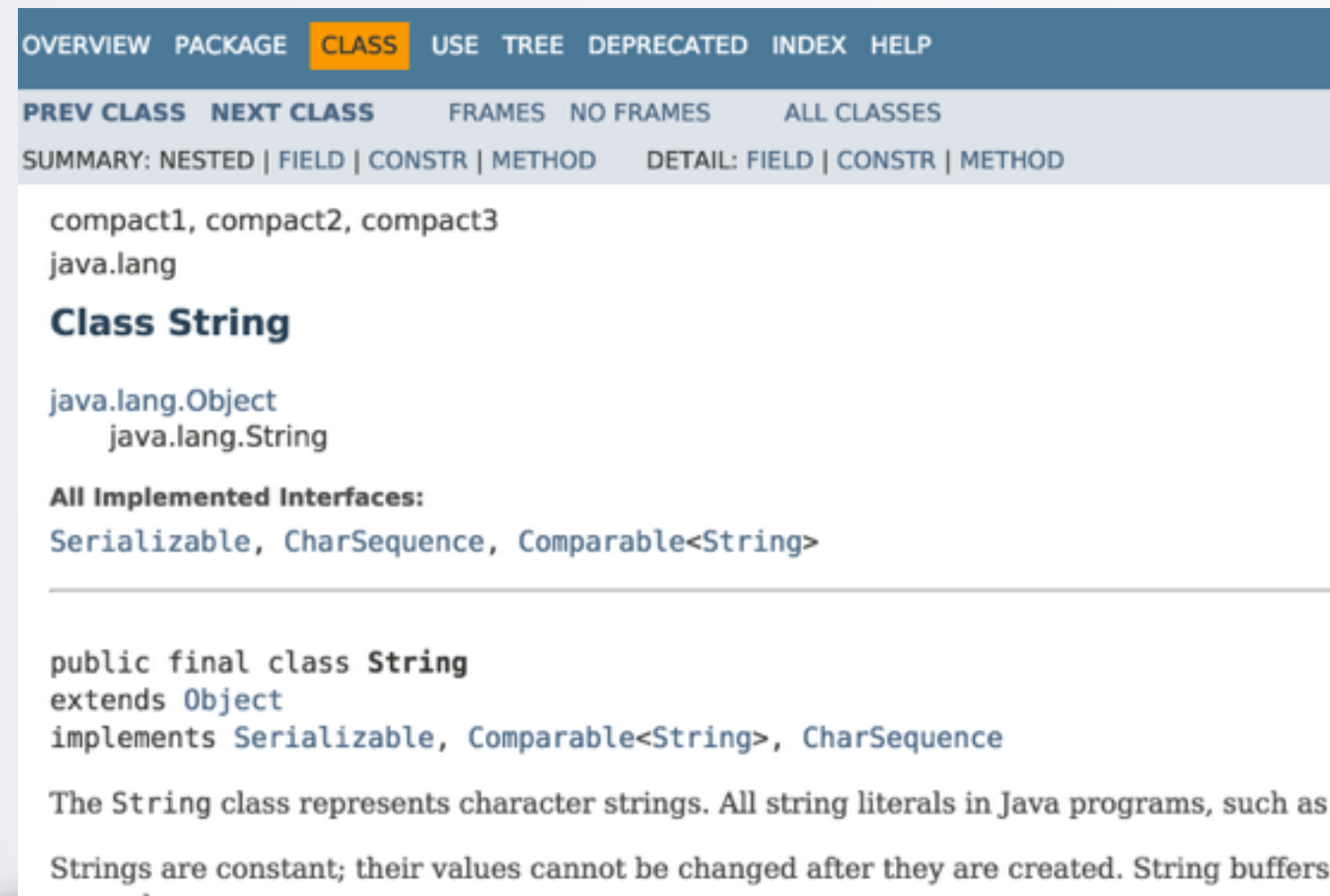


The Java String Class

- Strings are used for **storing** and **transmitting** data, for finding information
 - From Hello Around the World to Gene Finding in DNA to Web Crawling for Search Engines
- Understanding `java.lang.String` and its methods is an important part of your programming knowledge

The Practice of Programming

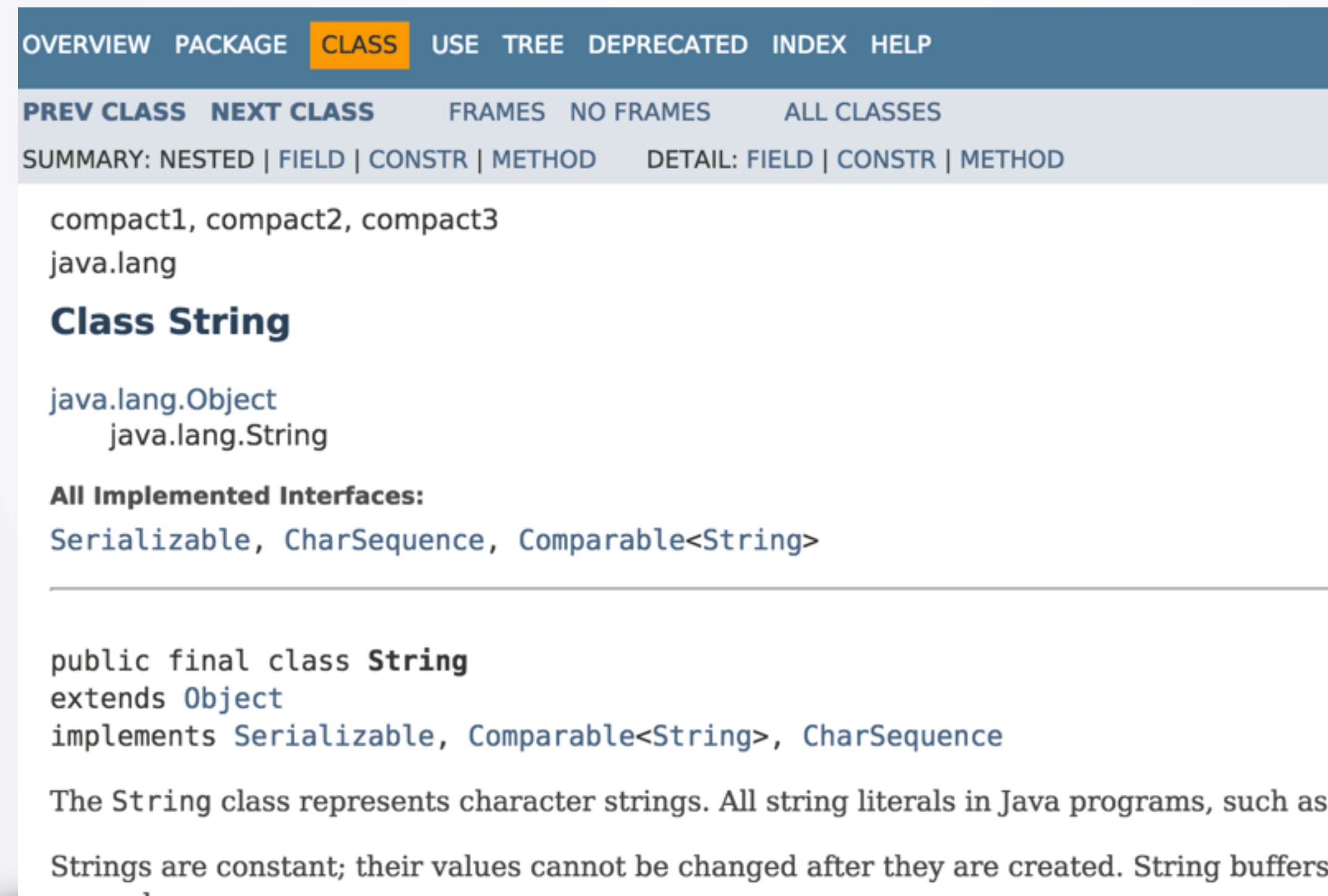
- You should use the standard Java API documentation as part of understanding the `java.lang.String` class



The screenshot shows the Java API documentation for the `String` class. The top navigation bar includes links for OVERVIEW, PACKAGE, CLASS (highlighted), USE, TREE, DEPRECATED, INDEX, and HELP. Below this, there are links for PREV CLASS, NEXT CLASS, FRAMES, NO FRAMES, and ALL CLASSES. A secondary navigation bar shows SUMMARY: NESTED | FIELD | CONSTR | METHOD, and a detail view: DETAIL: FIELD | CONSTR | METHOD. The main content area displays the class hierarchy: `compact1, compact2, compact3` and `java.lang`. The class is identified as **Class String**, with a hierarchy showing `java.lang.Object` and `java.lang.String`. It lists **All Implemented Interfaces:** `Serializable, CharSequence, Comparable<String>`. The class declaration is shown as `public final class String` extending `Object` and implementing `Serializable, Comparable<String>, CharSequence`. A descriptive paragraph states: "The String class represents character strings. All string literals in Java programs, such as Strings are constant; their values cannot be changed after they are created. String buffers".

The Practice of Programming

- You should use the standard Java API documentation as part of understanding the `java.lang.String` class



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The Practice of Programming

- You should use the standard Java API documentation as part of understanding the `java.lang.String` class
- Use the methods you've seen and explore methods you read about.
- Solve problems we pose and those you discover yourself!