

What is a String?

- A String is a sequence of characters enclosed in double quotes.
- In Java, Strings are objects, not primitive types.
- Strings are immutable.

String

VS

StringBuilder

VS

StringBuffer

- Java provides three main classes to handle strings:
- String → Immutable
- StringBuilder → Mutable (Not thread-safe)
- StringBuffer → Mutable (Thread-safe)

How Strings are stored in memory ? (String Pool)

- Strings are stored in a String Pool to save memory.
- We can declare strings in two ways:
- `String s = "Hello";` (goes to pool)
- `String s = new String("Hello");`
(creates new object in heap)