

Josh Wilcox (jw14g24)

Josh Wilcox (jw14g24), May 3, 2025 Static Variables

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Static methods

Overview

- A static method is also **class-based** instead of **object-based**
- This means, like with static variables, a static method can not reference variables or methods that are unique to an object
 - Static methods can't depend on values or fields stored in a particular instance
 - Static methods also can't use the keyword **this**
- Static Methods can only depend on Static Fields!

Why use Static Methods

- Sometimes you don't need to make instances of classes
 - For example - `Arrays.asList()` - `Arrays` is the class name and not an object name
 - This is also really common with the `Math` class such as `Math.min()`
 - The constructor of `Math` is private!