



JAVA

Static & this Keywords

JAVA: Static & this Keywords in Java

- **Static** : The **static keyword** in Java is used for memory management mainly. We can create static methods, variables and blocks.
- Static members of class belongs to class itself instead of the Class Object.
- Constructor can't be static.

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- **Static Variable** : If you declare any variable as static, it is known as a static variable.
- The static variable can be used to refer to the common property of all objects.
- The static variable gets memory only once in the class area at the time of class loading.

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- **Static Method** : If you apply static keyword with any method, it is known as static method.
- A static method belongs to the class rather than the object of a class.
- A static method can be invoked without the need for creating an instance of a class.
- A static method can access static data member and can change the value of it.

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- **This** : There can be a lot of usage of **java this keyword**. In java, this is a **reference variable** that refers to the current object.
- this can be used to refer current class instance variable.
- this can be used to invoke current class method.
- this() can be used to invoke current class constructor.
- this can be passed as an argument in the method call.
- this can be passed as argument in the constructor call.
- this can be used to return the current class instance from the method.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white surface. The marker is positioned at the end of the exclamation mark, and the hand is visible on the right side of the frame.

See you in next lecture ...