



# JAVA

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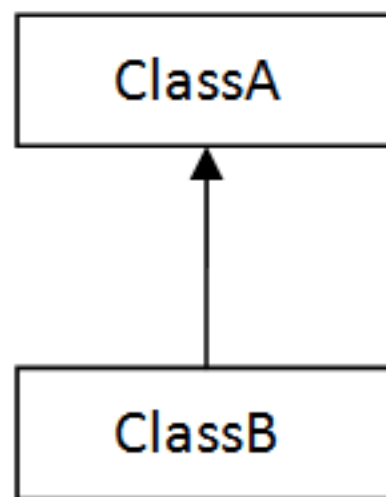
*Inheritance in Java*

## *JAVA: Inheritance in Java*

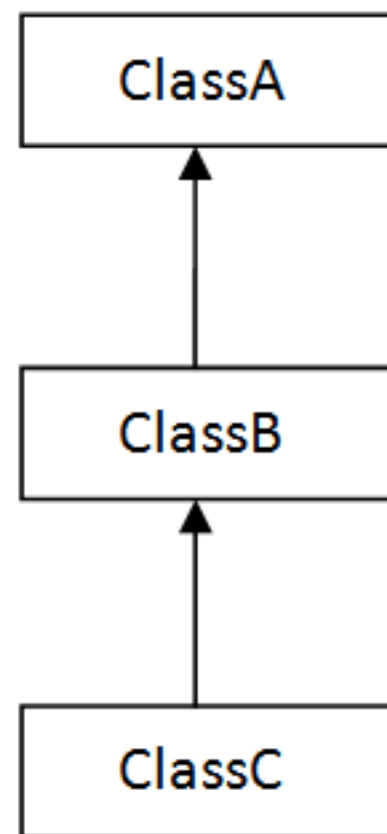
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- **Inheritance** : **Inheritance** is a mechanism in which one object acquires all the properties and behaviours of a parent object.
- Inheritance is important for Code reusability and Method Overriding.
- Class can extend another class via **extends** keyword.
- Inheritance is represents the **IS-A Relationship** in Java.

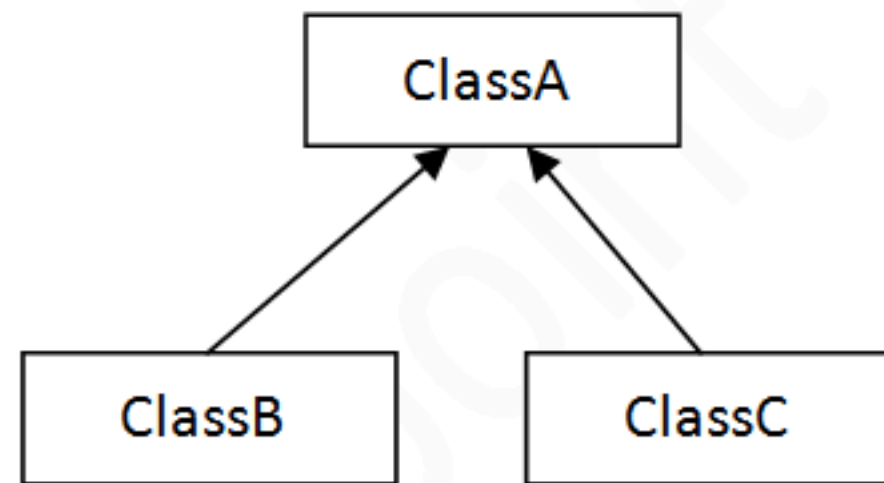
## ➤ Inheritance : Types of Inheritance.



1) Single



2) Multilevel

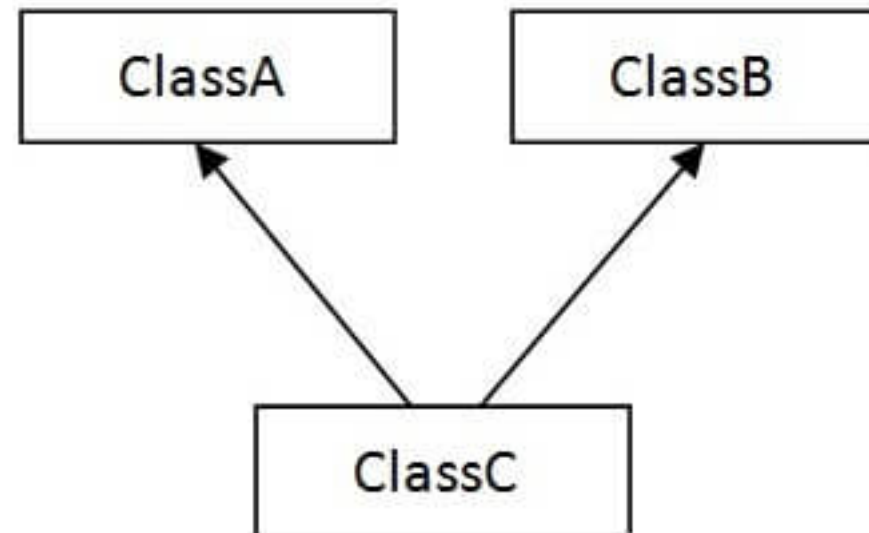


3) Hierarchical

## *JAVA: Inheritance in Java*

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- **Inheritance** : Multiple Inheritance.
- Multiple Inheritance is not possible in Java.



*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker's tip is just finishing the exclamation point. The background is a plain, light-colored surface.

*See you in next lecture ...*