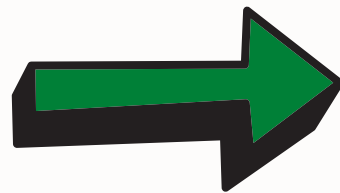


# OOP REAL WORLD EXAMPLES

# INHERITANCE



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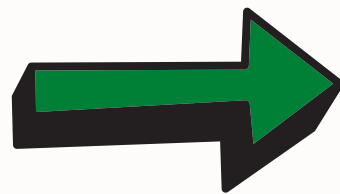
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# What is Inheritance?

Inheritance is the procedure in which one class inherits the attributes and methods of another class.



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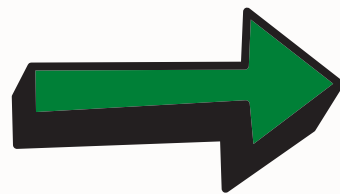
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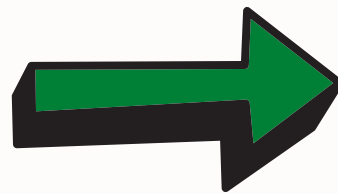
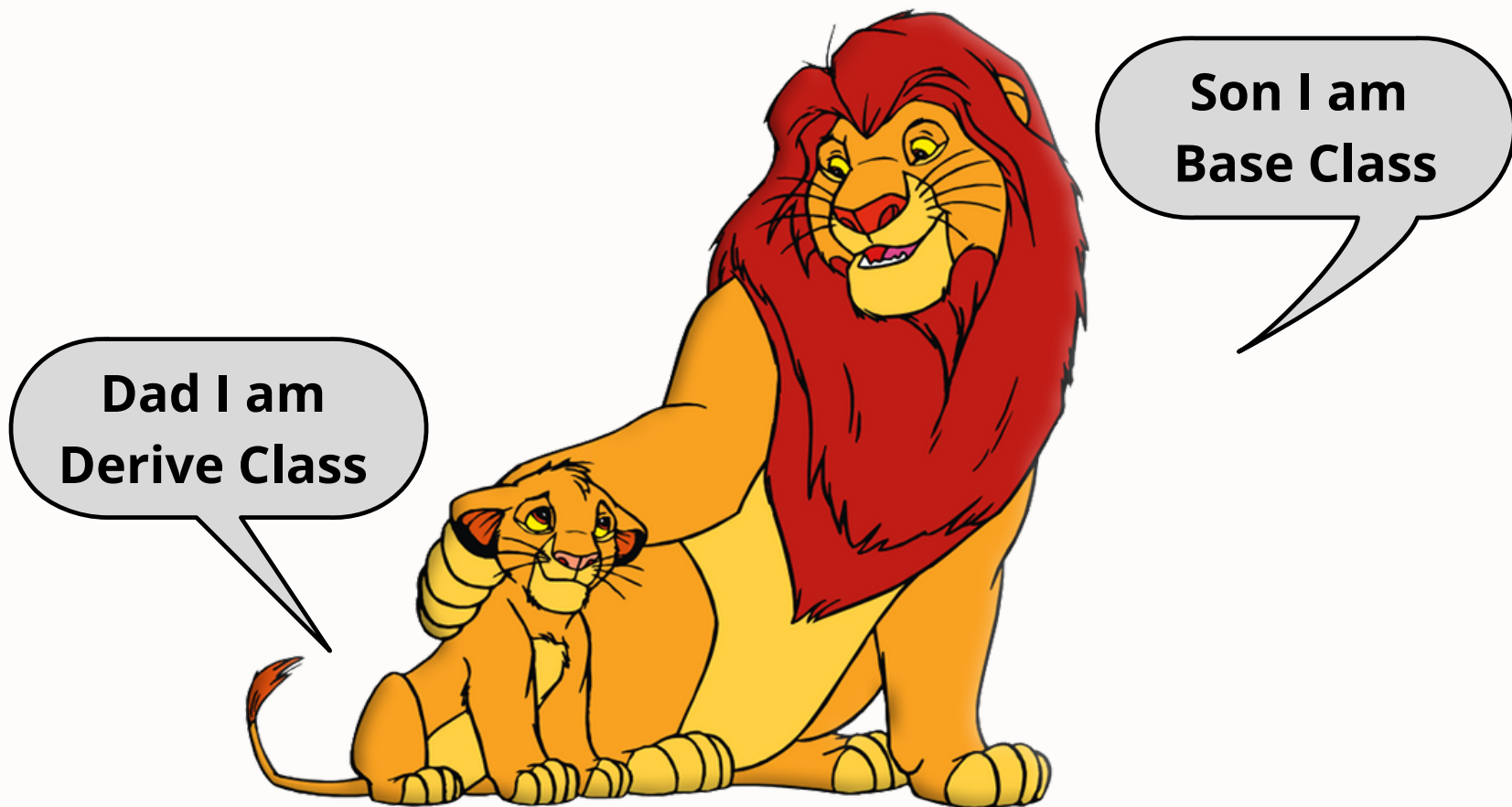
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# Base Classes, Derived Classes

- The Base Class, also known as the Parent Class is a class, from which other classes are derived.
- The Derived Class, also known as Child Class, is a class that is created from an existing class.



# Real Life Example



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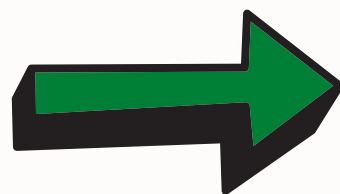


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# Types of Inheritance

There are four types of inheritance in OOP:

- Single Level Inheritance
- Hierarchical Inheritance
- Multi-Level Inheritance
- Multiple Inheritance



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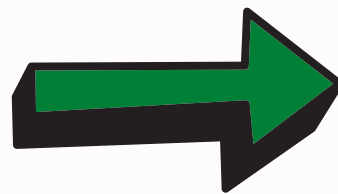
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# Single Level Inheritance

SINGLE



INHERITANCE



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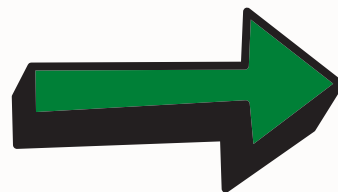
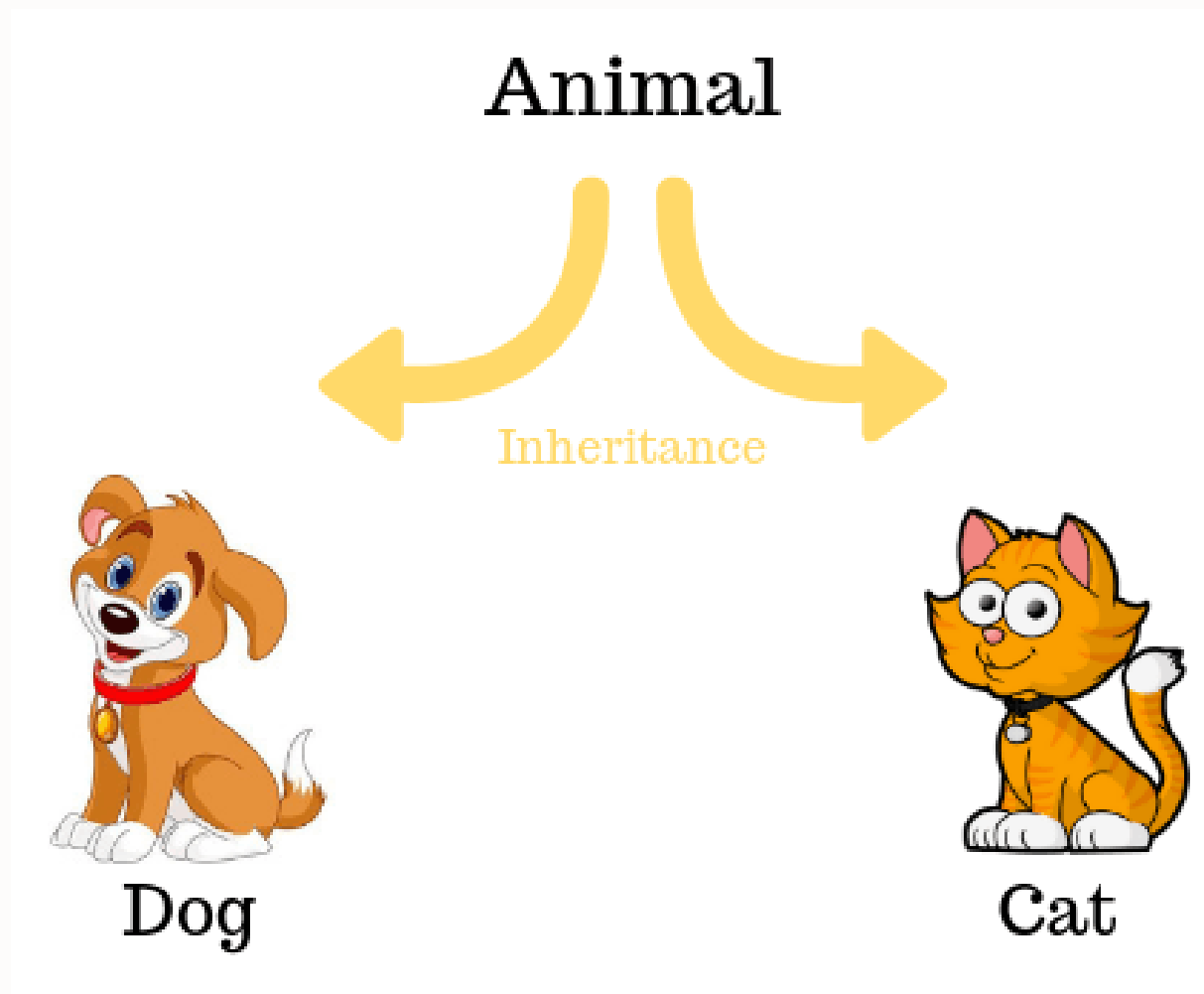


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# Hierarchical Inheritance



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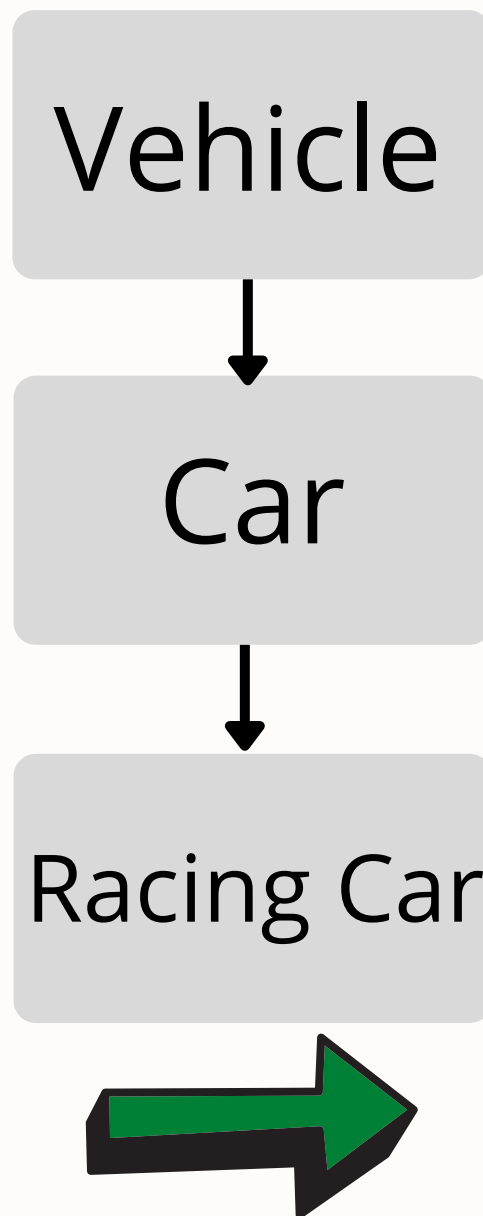


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# Multi-Level Inheritance





# Multiple Inheritance

