**What is Inheritance?**

* Inheriting the behaiver from one class to other class is known as inheritance.
* Parent class is the class being inherited from, also called base class
* Child class is the class that inherits from another class, also called derived class.
* It provides **reusability** of a code. We don’t have to write the same code again and again. Also, it allows us to add more features to a class without modifying it.
* It is transitive in nature, which means that if class B inherits from another class A, then all the subclasses of B would automatically inherit from class A.

Example:

* father gives his property to child
* so child is the taker and father is giver
* hence father works as a base class and child as derived class .
* Second thing the child couldn’t give its property to father so Inheritance is one sided

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