

# Advantages of Inheritance

In this lesson, you'll get to know about the advantages of Inheritance.

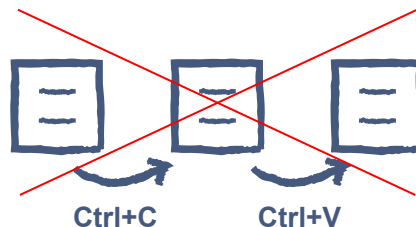
## WE'LL COVER THE FOLLOWING ^

- Avoiding Duplication of Code
- Extensibility
- Data Hiding

We have learned that we can implement *inheritance* which will result in avoiding **redundant coding** and will also save the programmer's *time and effort*.

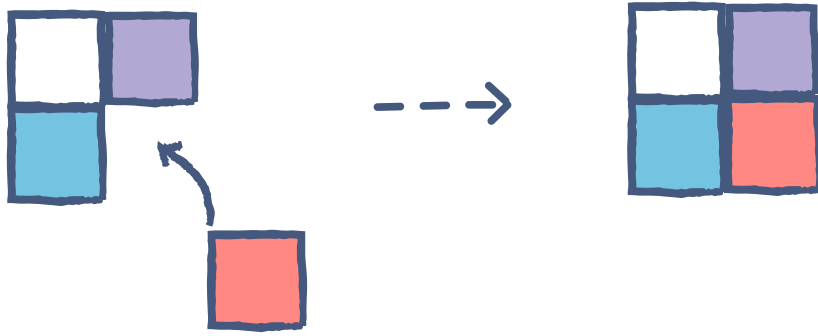
## Avoiding Duplication of Code #

Considering the previous example, if we have to implement another class for `MoneyMarketAccount` we **don't need to duplicate** the code for the `deposit()` and `withdraw()` methods inside this new Class because we can inherit and use the parent class's methods. In this way, we can avoid the *duplication of code*.



## Extensibility #

Using `inheritance`, one can extend the base class logic as per the business logic of the derived class. This is an easy way to upgrade or enhance specific parts of a product without changing the core attributes. An existing class can act as a base class to derive a new class having upgraded features.



## Data Hiding #

The base class can decide to keep some data private so that it cannot be altered by the derived class. This concept i.e. [Encapsulation](#) has already been discussed in the previous chapter.

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Let's move on to quiz for checking your understanding of inheritance.