

# Magic Methods

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- They are also called **special** or **dunder** methods ;
- **They are special or magic because you don't have to invoke them directly. The invocation is realized behind the scenes;**
- In fact there is a magic method for each operator like addition, subtraction, multiplication, raising to a power and so on;
- We can define these magic methods in our class to be able to add, subtract or multiply objects;

## Examples:

`__init__()` -> class constructor

`__add__()` -> addition operator (+)

`__str__()` -> called automatically when printing the object

`__lt__()` -> less than operator (<)

`__gt__()` -> greater than operator (>)

<https://docs.python.org/3/reference/datamodel.html>