# A Mathematical Formalization of Object Orientation

In the following number of posts I will give a brief overview of a mathematical formalization of object orientation. Rather than boring you with the mathematical details I will give an intuitive understanding of the formalization by providing illustrative examples. If you are keen on diving into the mathematical details, you are welcome to consult.

Here is a reading list to guide you:

1. First, let us recall some basic OO theory.
2. The mathematical formalization I will use here is based on Description Logics (DLs).
3. There is an intuitive correspondence between OO and DLs.
4. An example of a simple class.