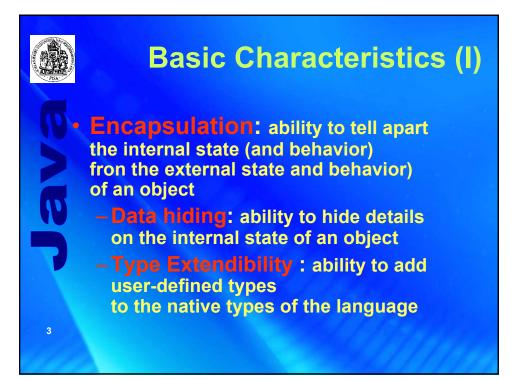




Object Oriented Programming (OOP) is a programming paradigm that is inspired to the way Man creates models for the comprehension of the real world. The OOP adopt a number of mechanisms to control and to manage the complexity of a software project Such a goal is pursued applying rules aimed at: abstracting - generalizing - classifying



## **Basic Characteristics (II)**

Inheritance: ability to create new types by importing/reusing the description of existing types

## Polymorphism: ability to call

the same functionality (possibly requiring different implementations depending on the use context) by means of a unique identifier. The proper implementation to use may be chosen either during the compilation phase or at runtime.

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