

Object - Oriented - Data - Model



Object Oriented Data Model (OODM)

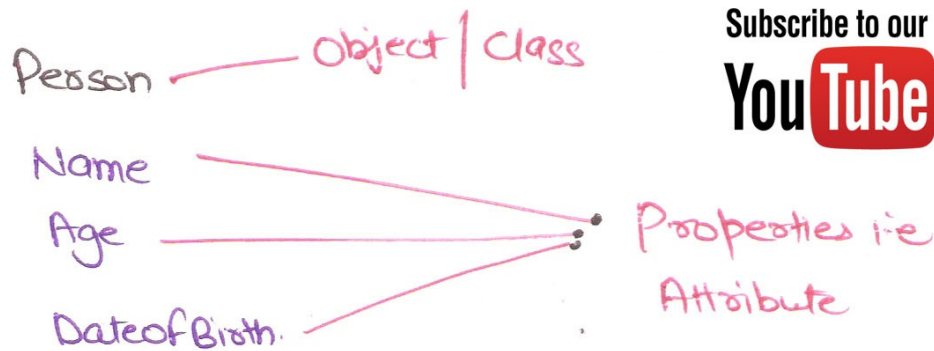
In this both Data and their Relationship are Organized or contained in a single structure known as an **Object**.

Object includes information about Relationship between the facts within the object, as well as information about its Relationship with other objects.

It is also said to be Semantic Data Model.

Components of OODM :-

- An Object is the abstraction of the Real world Entity, and an Object represents only one occurrence of entity.
- Attributes :- It describes the property of an object.

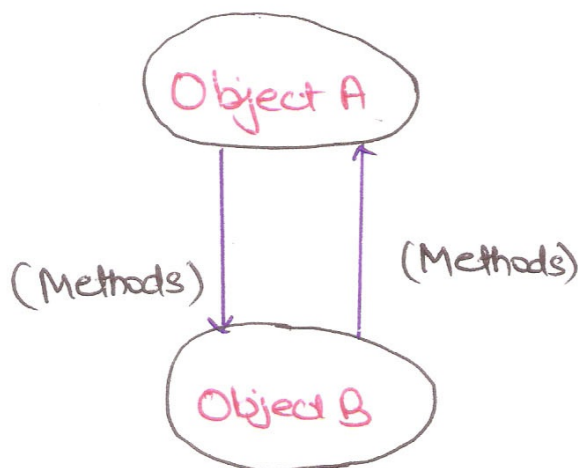


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- Class! Objects that are similar in characteristics are grouped in class.

So class is a collection of similar objects with shared structure (Attributes) and behaviors (Method)

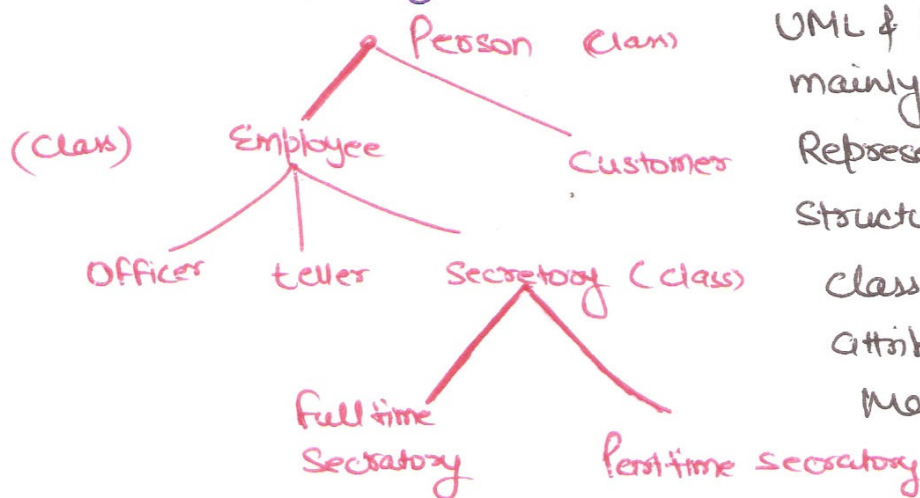
→ Method:- Methods Represents a real world action such as finding a selected person's Name, Changing person's Name or printing a person's Address.



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Classes are organized in a class hierarchy & it resembles an upside-down tree in which each class has only one Parent (Head):

Inheritance is an object's ability to inherit the Attributes and Methods (messages) of the class above it.



UML & XML are mainly used to Represent the Structure of class, object, attributes & Methods.

In this full-time Secretary & Part-time Secretary inherits the Attributes and Methods of class Person.