

OOPS CONCEPT IN REAL LIFE



Object-oriented Programming

Object	-Instance of Class
Class	-Blueprint of Object
Encapsulation	-Protecting our Data
Polymorphism	-Different behaviors in different instances
Abstraction	-Hiding our irrelevant Data
Inheritance	-One property of the object is acquiring another property of an object



Class & Object

Object

BMW



Car
class



Color
Weight
Speed
Model

Data members

Common features



startCar()
changeGear()
slowDown()
brake()

method

Common functionalities



Encapsulation



**School bag can keep your book, pen,
erasers, lunch box so on ...**



Polymorphism

**In school behave
like a student**

**In shopping mall
behave like a customer**

**In home behave
like a son**

**In bus behave like
a passenger**



Abstraction



Even though it performs a lot of actions it doesn't show us the process. It has hidden its process by showing only the main things like getting inputs and giving the output.



Inheritance



Mom and Daughter

**Some properties of mom inherits
by her daughter**

