

OOPS CONCEPT IN REAL LIFE

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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

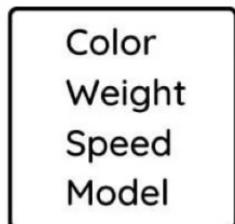
Object

BMW



Car

class



Data members

Common features



method

Common functionalities

Encapsulation



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

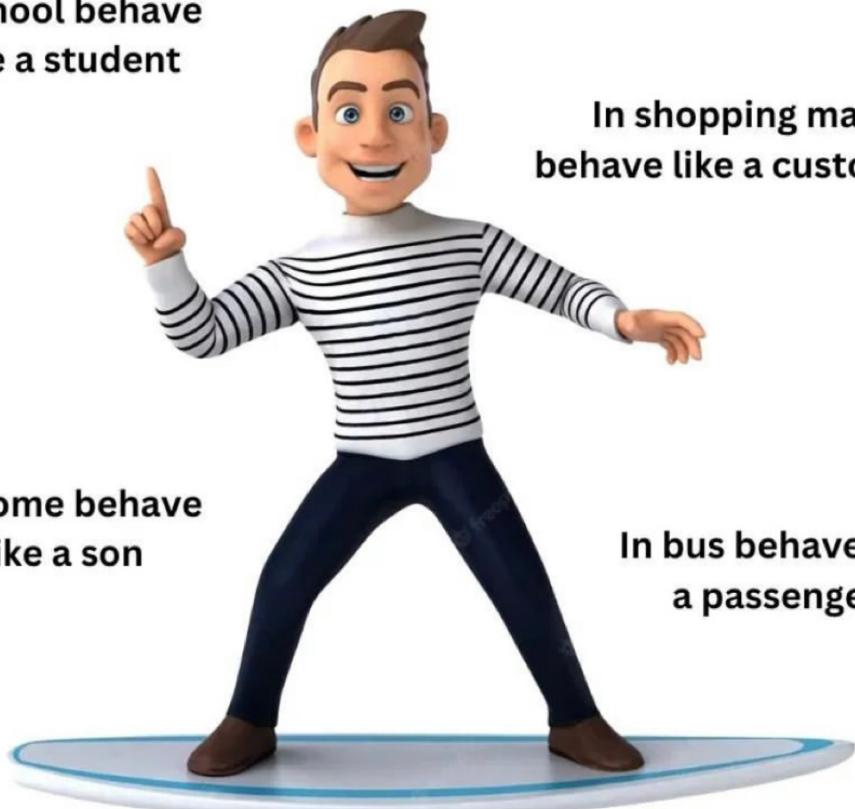
Polymorphism

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**