PHP OOP Principles

Pentalog 2018

PHP OOP
PRINCIPLES
DEV
FUNCTIONAL
PROGRAMING
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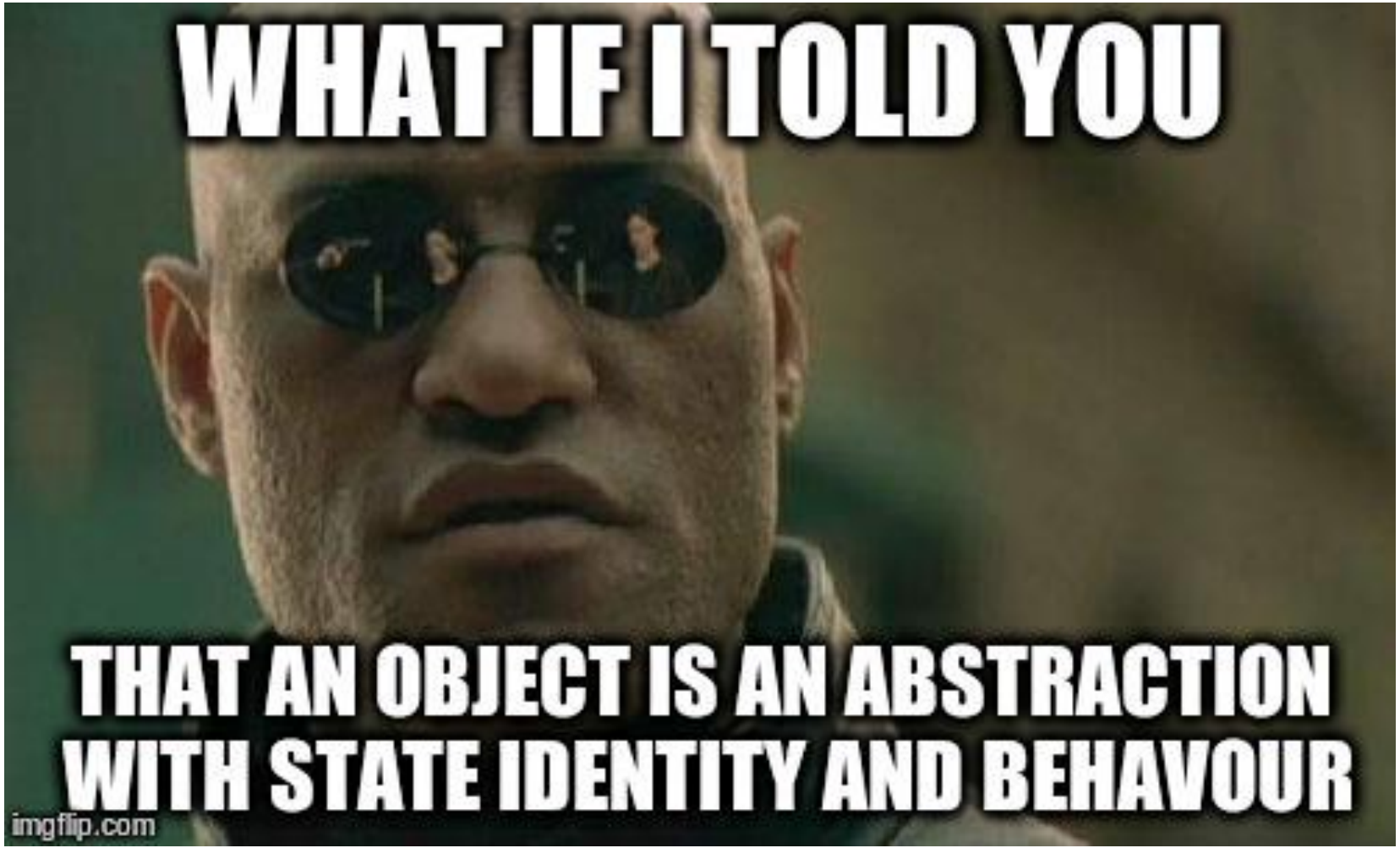
WHAT IF I TOLD YOU
THAT AN OBJECT IS AN ABSTRACTION WITH STATE IDENTITY AND BEHAVOUR
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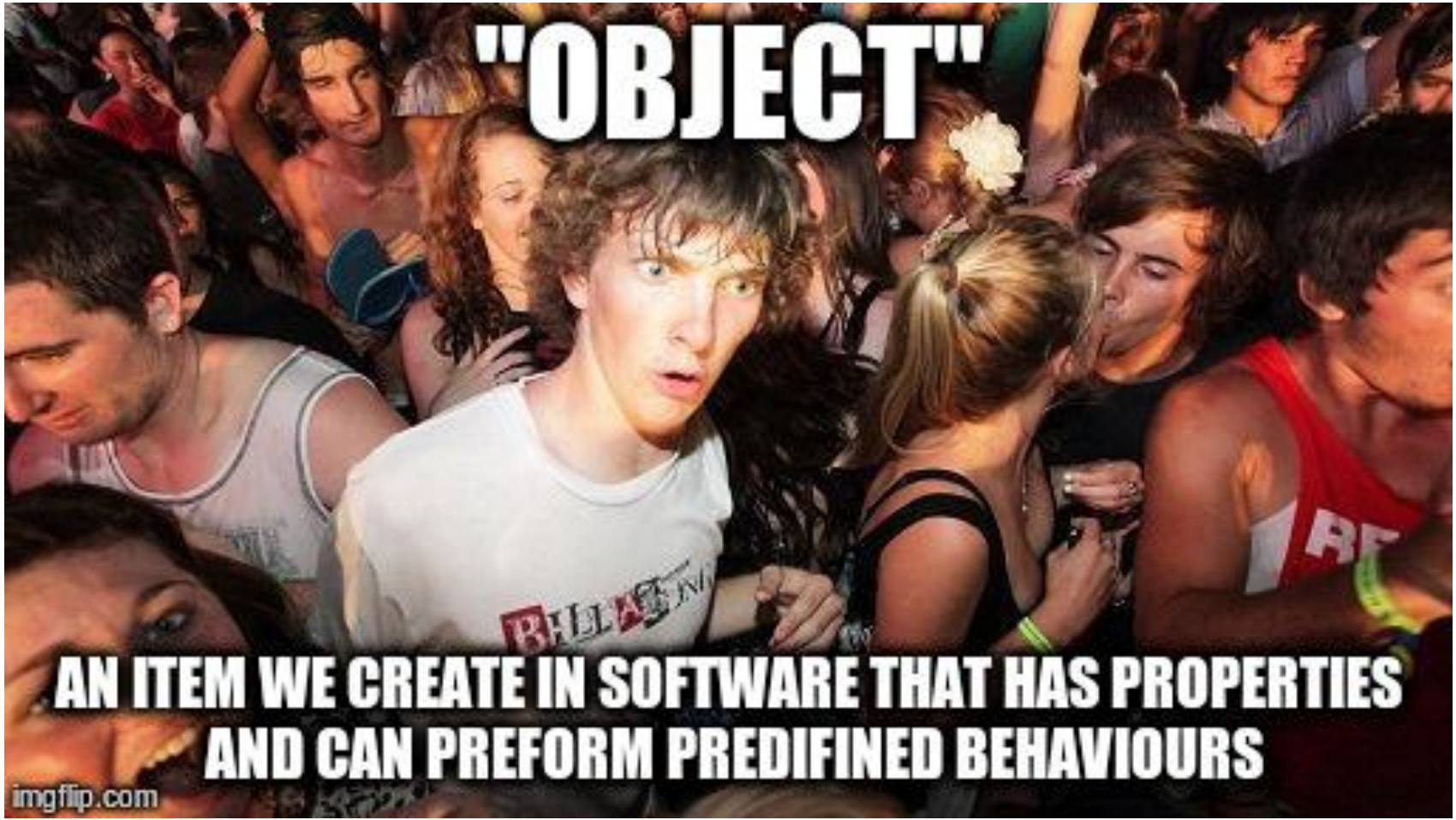
"OBJECT"
AN ITEM WE CREATE IN SOFTWARE THAT HAS PROPERTIES AND CAN PREFORM PREDIFINED BEHAVIOURS
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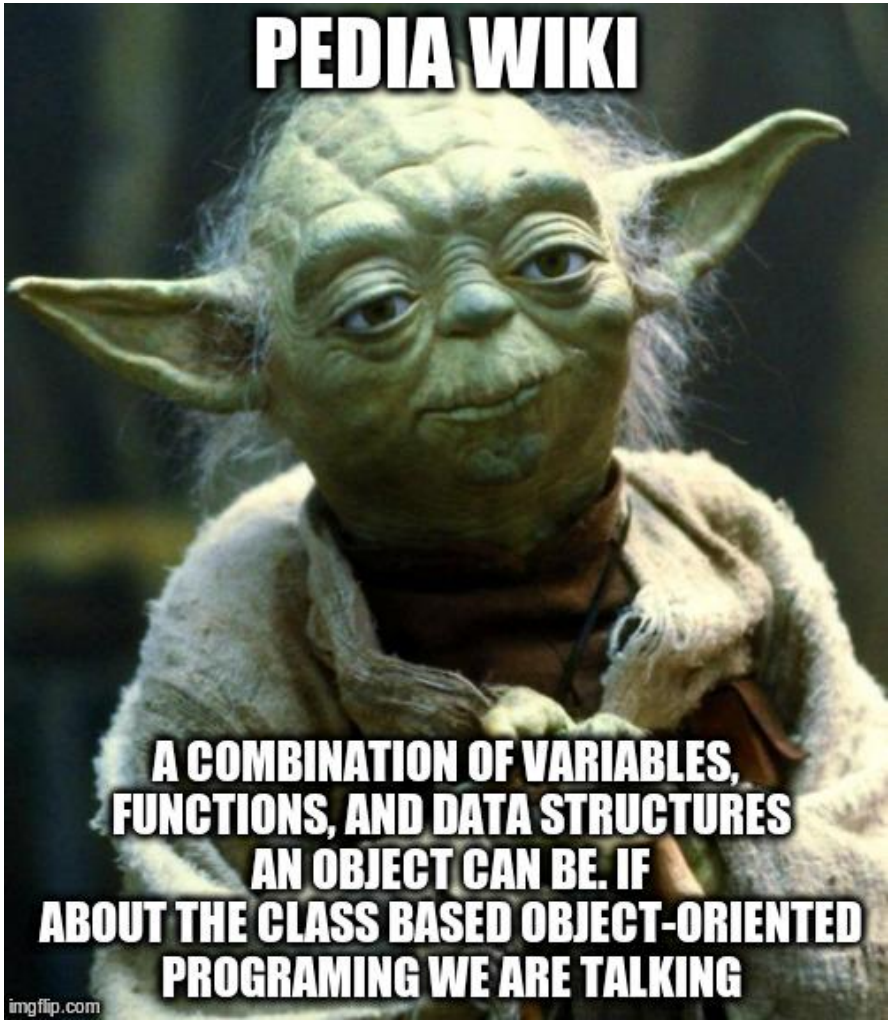
PEDIA WIKI
A COMBINATION OF VARIABLES,
FUNCTIONS, AND DATA STRUCTURES
AN OBJECT CAN BE. IF
ABOUT THE CLASS BASED OBJECT-ORIENTED
PROGRAMING WE ARE TALKING
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Abstraction

The act of simplifying something that is complex.

Method

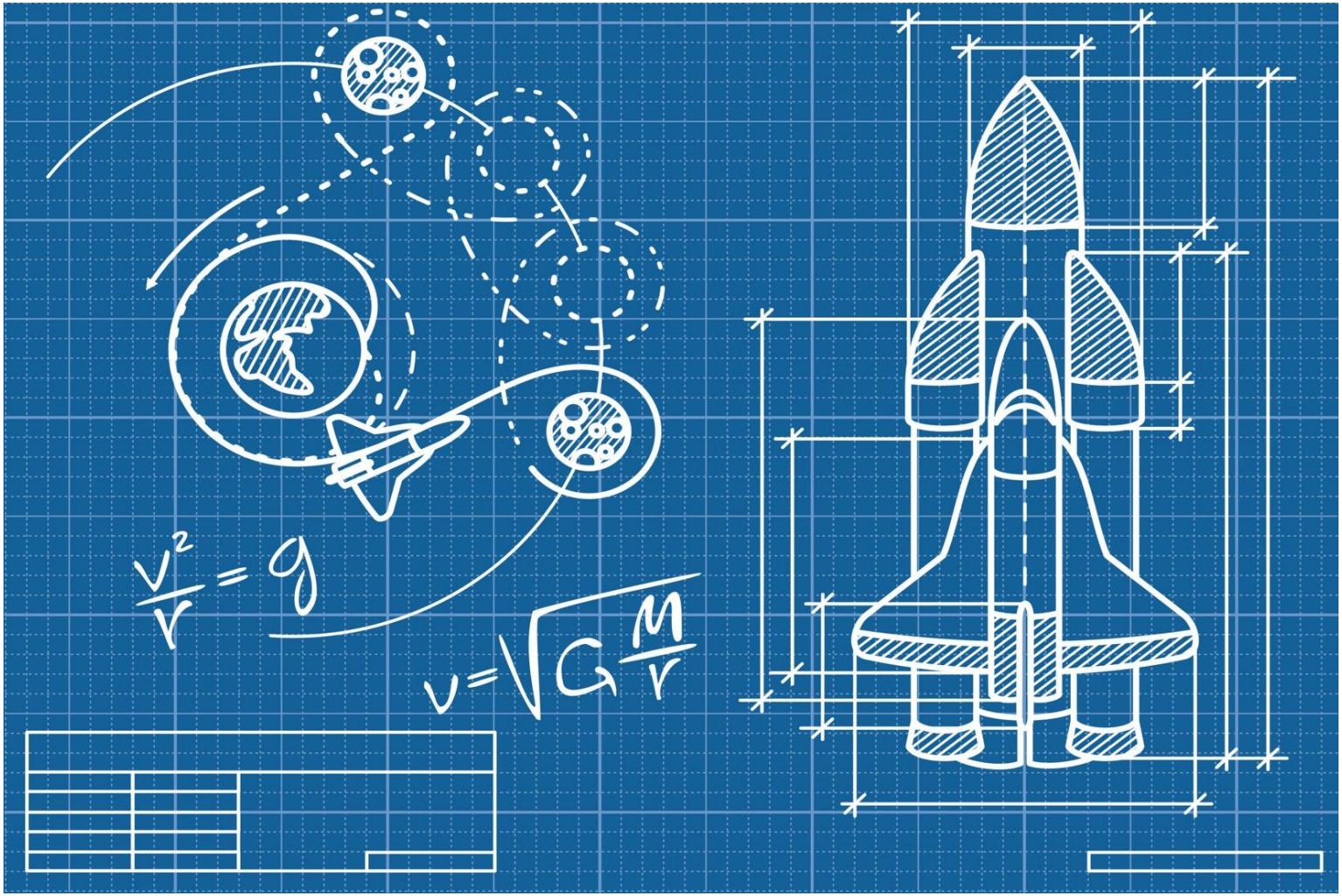
A behaviour associated with an object. May accept input and may provide output.

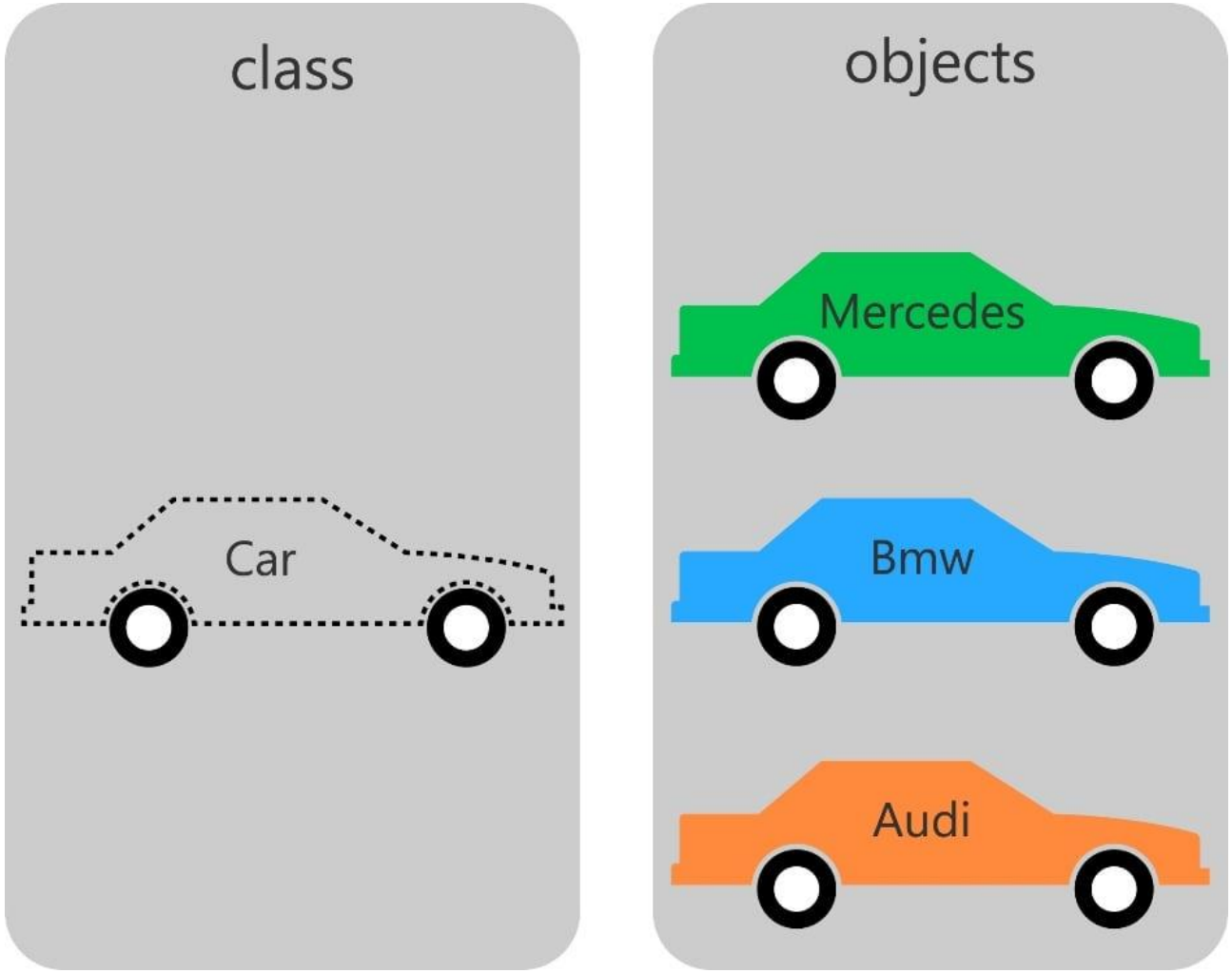
Instance

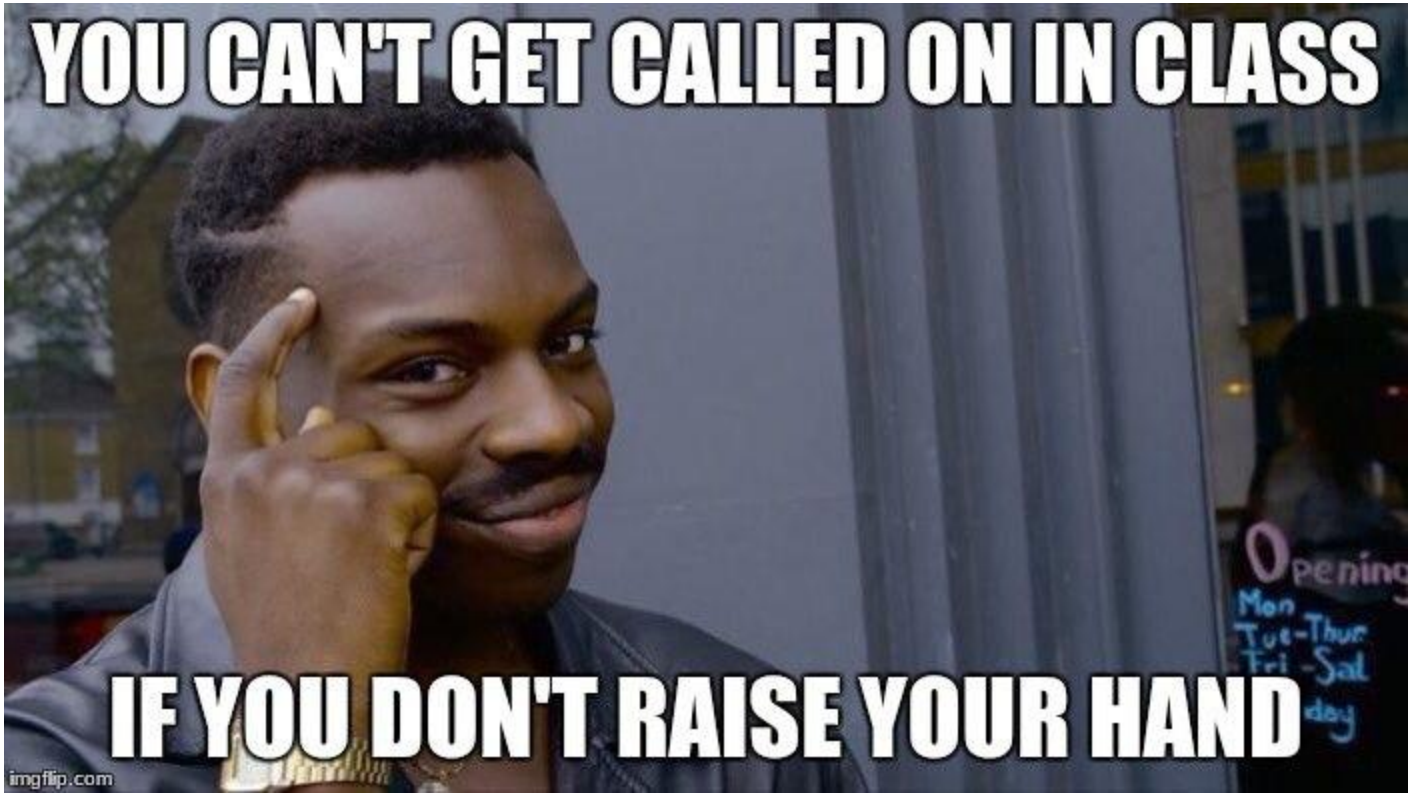
Objects are created from classes. Classes are like blueprints. Each object is unique and independent.

Class

Defines what an object may be. An object is built with a **new** operator.


$\frac{v^2}{r} = g$
$v = \sqrt{G\frac{M}{r}}$


class
Car
objects
Mercedes
Bmw
Audi


YOU CAN'T GET CALLED ON IN CLASS
IF YOU DON'T RAISE YOUR HAND
Opening
Mon
Tue-Thur
Fri-Sat
day
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- Objects are instantiated (created) using the **new** operator.
- Objects are defined by classes but do not exist until instantiated.
- Objects are independent.
- Objects have properties and can perform behaviours also referred to as methods.

Simple Class

```
class BankAccount
{
}
```

PHP
CODE
Heineken
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