

 nmviva Add 0104	Latest commit 4fe890e on 4 Apr	
..		
 src	Add 0104	6 months ago
 README.md	Add 0104	6 months ago

 README.md

01-04

Challenge 03 - Vehicles



Picture by [chuttersnap](#)

Objectives

Inheritance and properties

Guidelines

1. Write a class `Vehicle` :

- a vehicle is defined by the attributes `year`, `brand`, `color`, `wheels`, `consumption`, `fuel`, `kilometers`. It also has `speed` which is always zero when the vehicle is instantiated.
 - write methods to `start`, `stop`, `accelerate` and `brake` with an increment or decrement of speed by 10 each time it is called.
2. Start a timer when the vehicle `start` and stop the timer when the vehicle `stop`. Meanwhile, update the `kilometers` and the `fuel` depending on the driving (`speed`, `accelerate` and `stop`)
 3. Write two new classes `Car` and `Motorbikes`. Imagine what could change in the attributes and methods.
 4. Review the control access in all the previous classes.

Your program must be written in `src/vehicle.py`. You should be able to instantiate circles and play with them directly from your iPython console.