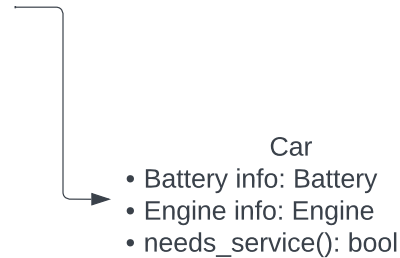


Car Production Line (Modelwise)

[Over here we create classes for the different car models which are available. They will act as a blueprint to be used when a car needs to be checked if it has to be serviced.]

- calliope(current_date: date/time, last_service_date: date/time, current_mileage: int, last_service_mileage: int): car
- glissade(current_date: date/time, last_service_date: date/time, current_mileage: int, last_service_mileage: int): car
- rorschach(current_date: date/time, last_service_date: date/time, current_mileage: int, last_service_mileage: int): car
- thovex(current_date: date/time, last_service_date: date/time, current_mileage: int, last_service_mileage: int): car
- palindrome(current_date: date/time, last_service_date: date/time, warning_light_on: bool): car



Does the Car have to be serviced ?

- needs_service(): bool

if the above returns true, then the car has to be serviced.

New part can be added through a new class. this can also be used to add parts in categories other than the engine and the battery by following the same blueprint.

Modifying a single piece of code in the parts section i.e. the battery or the engine will allow us to change the details easily and calculate new service times.

