Software Design 1

Season 2024 - 1

Workcshop No 1.

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General description:

The provided code implements a vehicle catalog system using object-oriented programming in Python. Allows the creation of different types of vehicles, such as cars, trucks, yachts and motorcycles, each with their own specific characteristics

Code Structure:

The code consists of several classes.

Engine: Represents the engine of a vehicle with attributes such as name, type, power and weight.

Vehicle: Represents a generic vehicle with common attributes such as engine, chassis, model, gas mileage, and year. It also contains a method to display vehicle information.

Vehicle derived classes:

Automobile: Represents a car.

Truck: Represents a truck.

Yacht: Represents a yacht.

Motorcycle: Represents a motorcycle.

Uml:

Vehicle
Engine: str
Chasis: str
Model: str
Gasc: str
Year: str

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Name : str
Type : str
Power: str
Weight: str

show_info(): void

Automobile

Truck

Yatch

Motorcycle