Welcome to my presentation

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Topic

vehicle dealership management system

Overview

- Introduction
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INTRODUCTION

The system allow an dealer to maintain the detail of any type of vehicle and the pricing of vehicle. The dealer can easily manages his vehicle sale on order

Objective

- Reduce time consumtion
- Easy to use the system
- Can see variety of different vehicle and model

Code complement

- OOP concept
- Class
- Subclass
- Inheritance
- Method
- attributes

code

```
class Vehicle:
    def __init__(self, make, model, year, price):
        self.make = make
        self.model = model
        self.year = year
        self.price = price
    def display_info(self):
        return f"{self.year} {self.make} {self.model} - ${self.price}"
```

```
class Car(Vehicle):
    def __init__(self, make, model, year, price, num_doors, discount=0):
        super().__init__(make, model, year, price)
        self.num_doors = num_doors
        self.discount = discount
    def display_info(self):
        discounted_price = self.price - (self.price * self.discount / 100)
        return f"{super().display_info()}, {self.num_doors} doors, Discount: {self.discount}%, Discounted Price: ${discounted_price:.2f}"
```

```
class Truck(Vehicle):
    def __init__(self, make, model, year, price, towing_capacity, discount=0):
        super().__init__(make, model, year, price)
        self.towing_capacity = towing_capacity
        self.discount = discount
    def display_info(self):
        discounted_price = self.price - (self.price * self.discount / 100)
        return f"{super().display_info()}, Towing Capacity: {self.towing_capacity} lbs, Discount: {self.discount}%, Discounted Price: ${discounted_price:.2f}"
class Dealership:
    def __init__(self, name):
        self.name = name
```

```
 self.inventory = []
    def add_vehicle(self, vehicle):
        self.inventory.append(vehicle)
    def display_inventory(self):
        print(f"Inventory for {self.name}:")
        for vehicle in self.inventory:
            print(vehicle.display_info())
# Create vehicle objects
car1 = Car("Toyota", "Camry", 2022, 25000, 4, 10)
car2 = Car("Honda", "Civic", 2021, 22000, 4)  # No discount specified
truck1 = Truck("Ford", "F-150", 2020, 35000, 12000, 5)
# Create dealership object
dealership = Dealership("Best Cars")
```

```
# Add vehicles to the dealership's inventory
dealership.add_vehicle(car1)
dealership.add_vehicle(car2)
dealership.add_vehicle(truck1)
# Display the dealership's inventory
dealership.display_inventory()
```

Benefit

- It help people to find vehicle the like
- It will also help for people to find good price according to their preference
- vehicle dealership management system also have record of different type of vehicle with their model
- Dealer can easily add new vehicle in the system
- The system also have discount procedure

CONCLUSION

This code provide the car dealership management system that can handle all type of car to sell with different model and price with discount. It demonstrate the use of class , inheritance and OOP