SKILLIFYZONE

Task: Creating a Simple Car Class

Important: You have to complete your task and post in on LinkedIn tagging me and SkillifyZone in it till 10-02-2024 10 PM in order to be eligible for certificate.

Objective:
Apply the concepts of functions, classes, constructors, getters, setters, inheritance, and method overriding.

Task:

1. **Create a Car Class:**
   - Define a Car class with the following attributes:
     - brand (Positional Argument)
     - model (Positional Argument)
     - year (Named Argument with a default value)
     - price (Named Argument with a default value)
   - Create a parametrized constructor to initialize these attributes.
   - Implement getters and setters for the price attribute.
2. **Add a getCarInfo Method:**
   - Implement a method called getCarInfo that returns a string containing all the car details.
3. **Create a LuxuryCar Subclass:**
   - Define a LuxuryCar subclass that inherits from the Car class.
   - Add an additional attribute luxury_tax (Named Argument with a default value).
   - Override the getCarInfo method to include the luxury_tax information.
4. **Testing the Classes:**
   - Instantiate a Car object and a LuxuryCar object.
   - Print the car information using the getCarInfo method for both objects.

Example Output:

Car: Toyota Corolla, Year: 2020, Price: $20,000

Luxury Car: BMW X5, Year: 2022, Price: $50,000, Luxury Tax: $5,000