**8.9- Exercise – Vahicle**

**Exercise**

Refine and Extend the Vahicle and Car Classes

**Task**

1. Correct the spelling of the class Vahicle to Vehicle throughout the code for consistency.
2. Implement the service(int month) method in the Car class to print a unique servicing message, such as "Car [model] requires servicing every [month] months."
3. Add an engineType property to the Car class to specify if it is "Electric" or "Gasoline" and modify the toString() method to include this information.
4. Update the MainClass to test the new engineType property and print the updated output.

**Hints**

* Update the Car constructor to accept an engineType parameter.
* Modify the toString() method in Car to include the engineType in the output.
* Update the MainClass to create instances of Car with different engineType values, such as "Electric" and "Gasoline."

**Explanation**

This exercise helps you practice class inheritance, method overriding, and adding properties to a subclass. By implementing these changes, you reinforce your understanding of object-oriented programming concepts like polymorphism and class extension in Java. This exercise also enhances your ability to maintain consistency and readability in code by correcting naming conventions and expanding class features.