Problem: Vehicle Management System

Objective:

Design a simple Vehicle management System in java demonstrating inheritance, encapsulation, method overriding, upcasting and downcasting

Requirements:

1. **Encapsulation:**

   Create a base class Vehicle with private fields (brand, speed) and provide public getter and setter methods.

2. **Inheritance:**

   Create two sub classes

   Car (Additional Fields : fuelType)

   Bike (Additional Fields : engineCC)

3. **Method Overriding :**

   Override the showDetails() method in Car and Bike toprovide specific details

4. **Upcasting and Downcasting:**

   Perform upcasting by assigning a Car and bike object to Vehicle type

   Use downcasting to access specific properties of Bike and Car