**Week 3 – 32 – Practise Problem Solution**

**Name: Ramesh Harisabapathi Chettiar**

**Roll Number: RA2411030010263**

**Course: Networking and Communications**

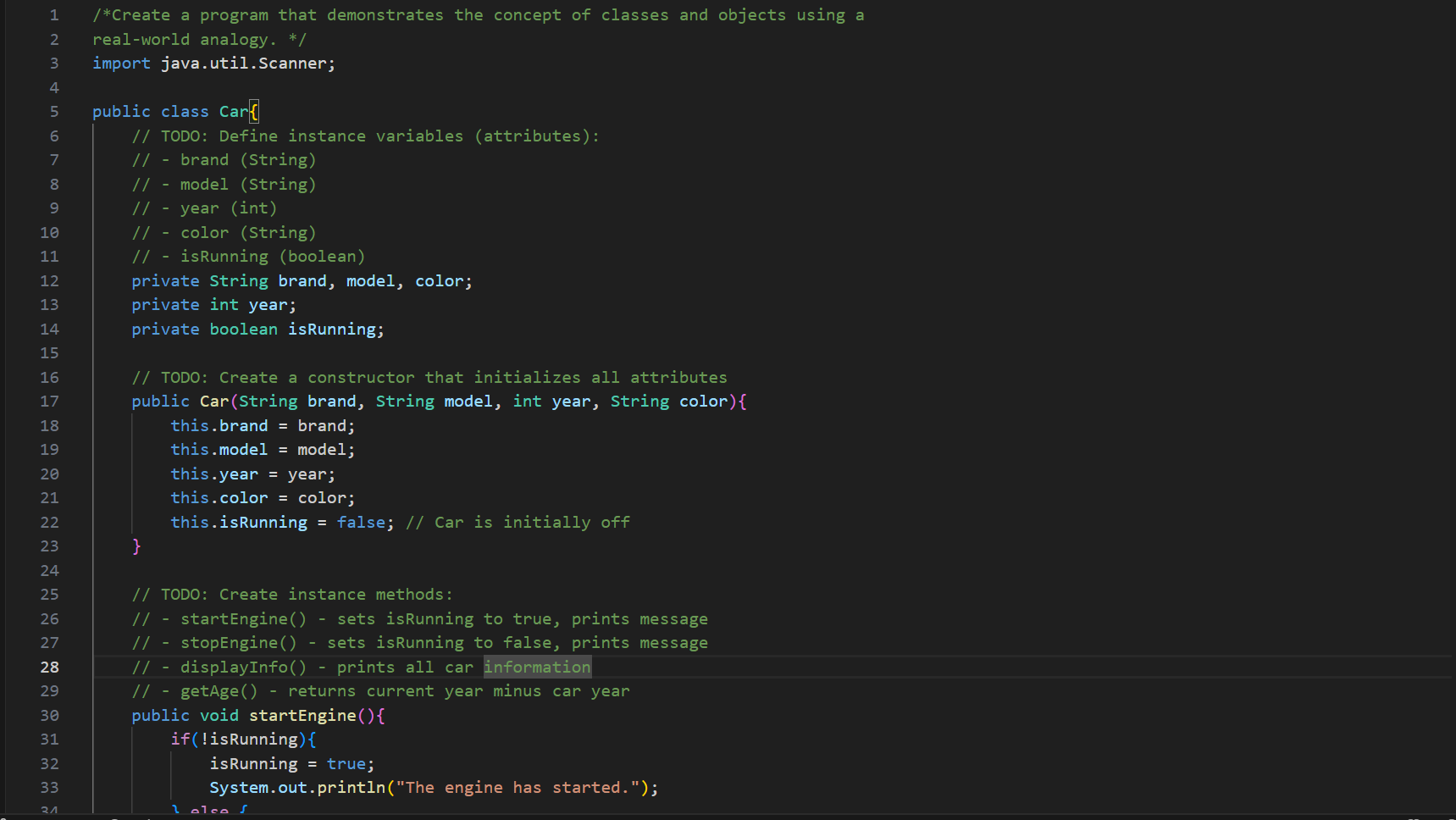
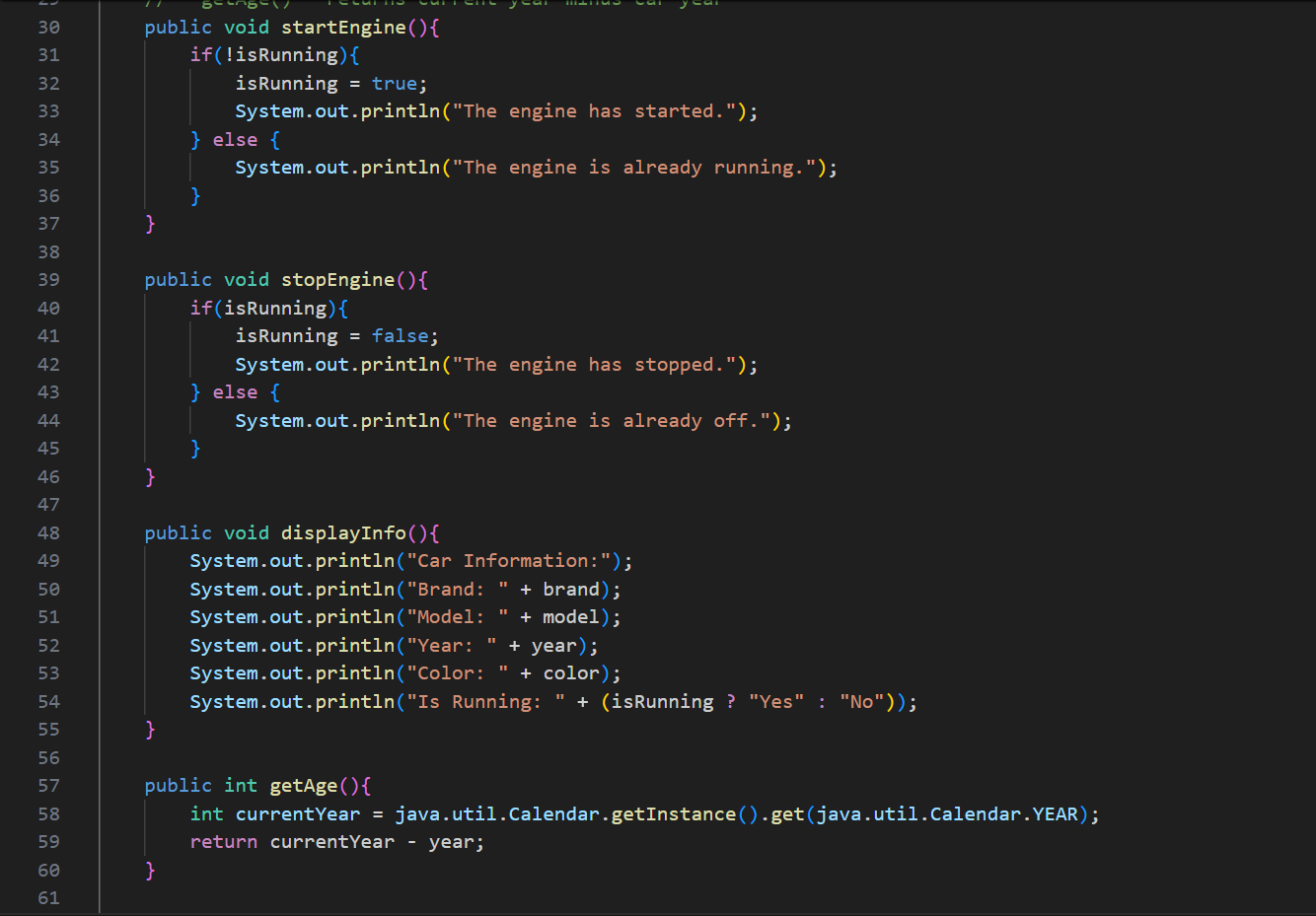
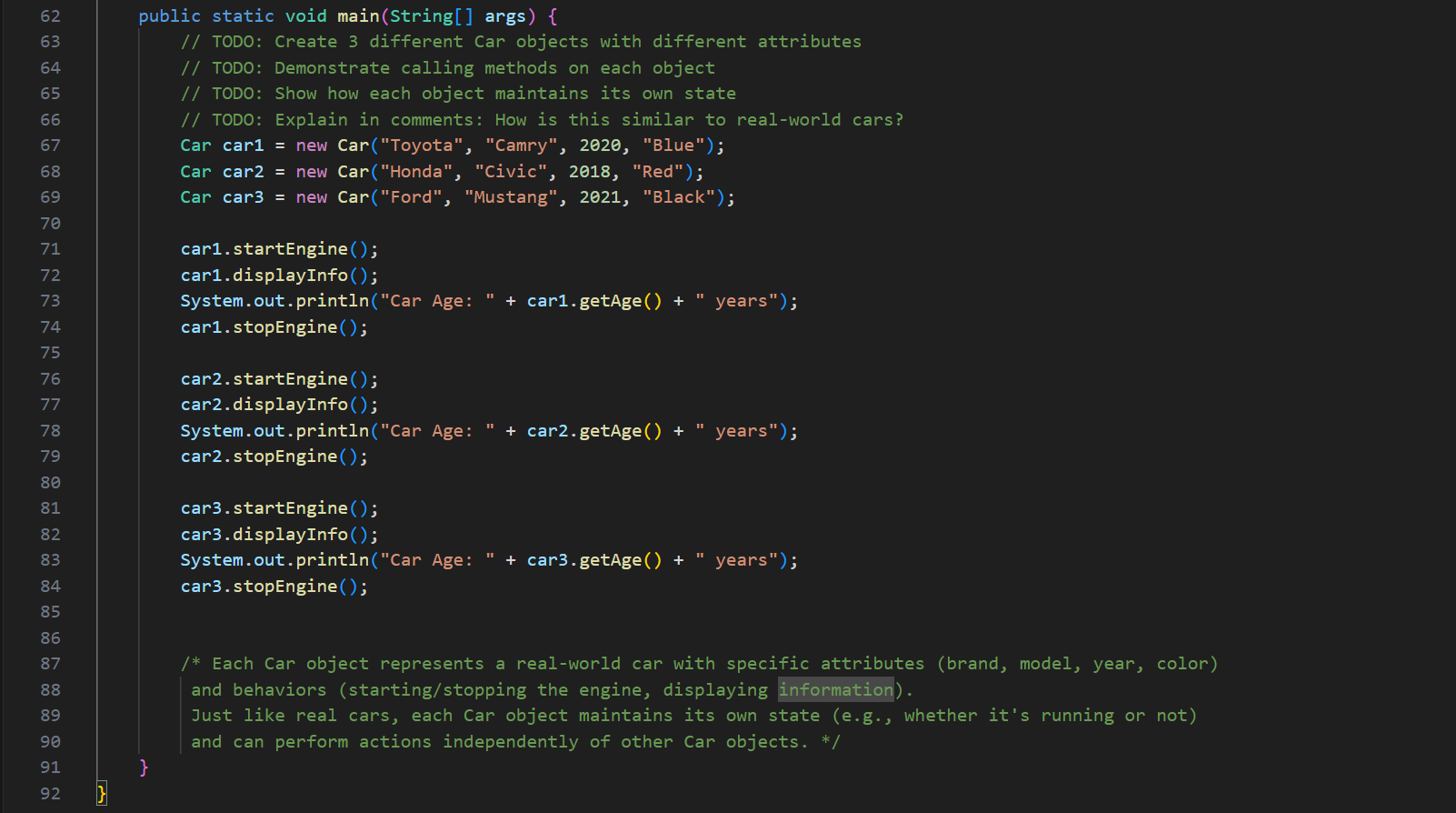
**Semester: 3**

**Date of Submission: 29/08/2025**

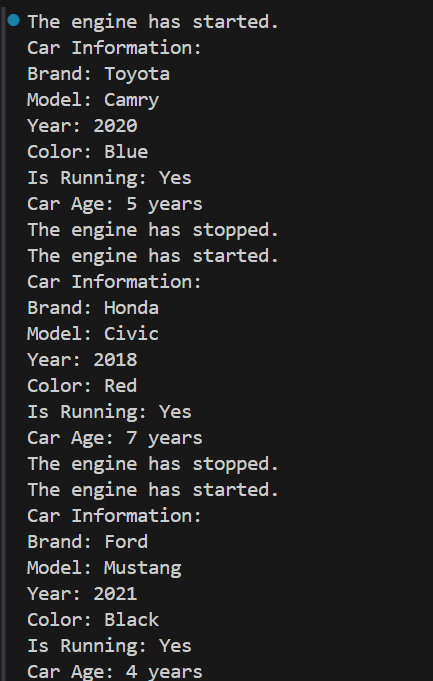
PRACTISE PROBLEM 1:

Create a program that demonstrates the concept of classes and objects using a

real-world analogy.

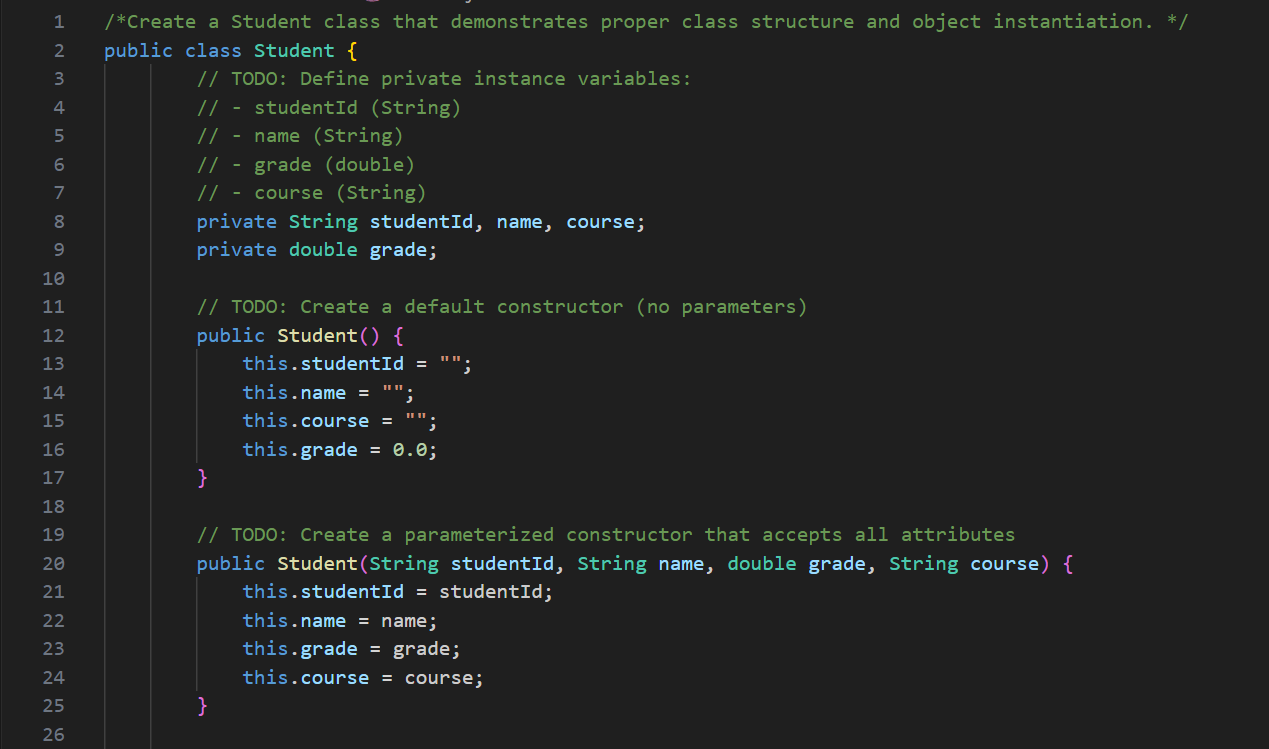
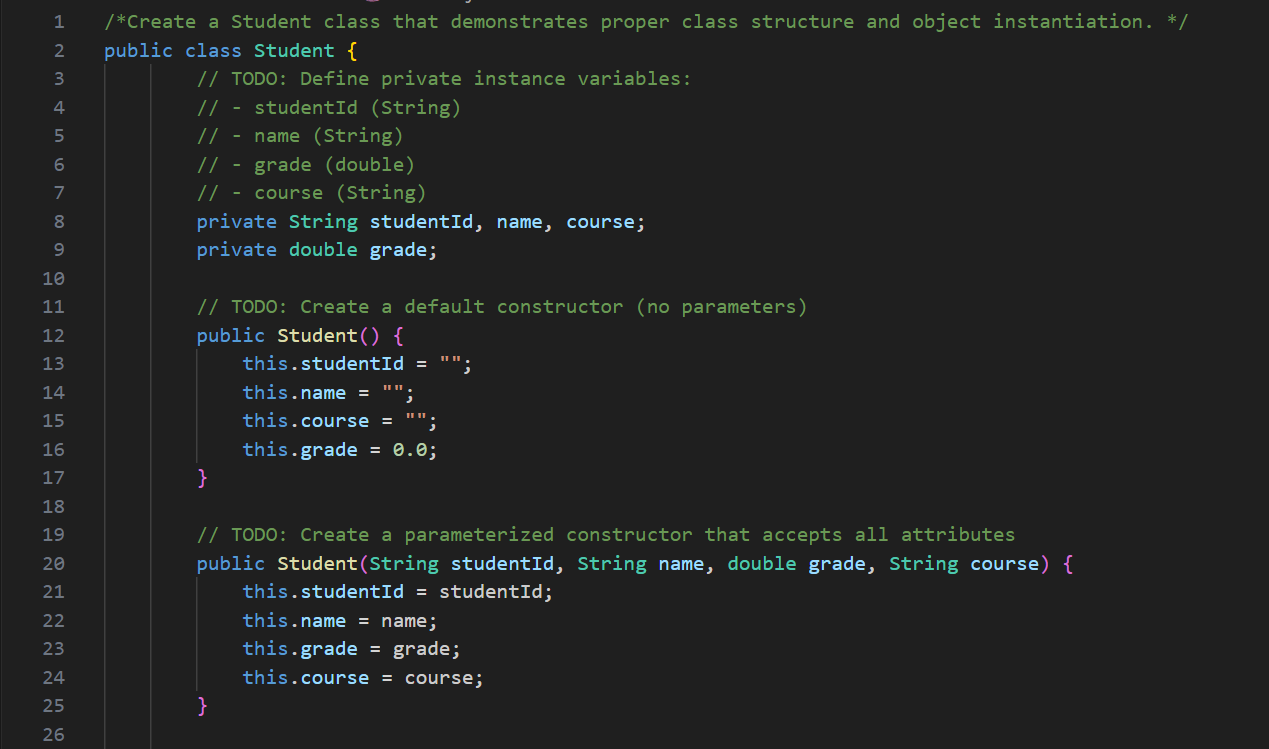
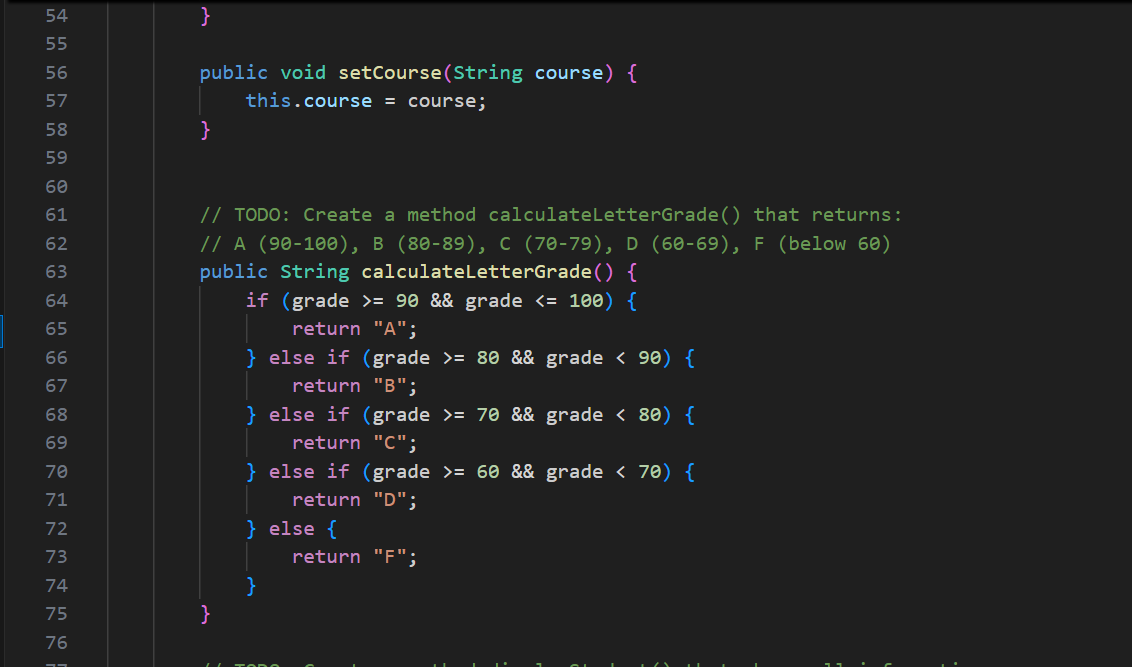
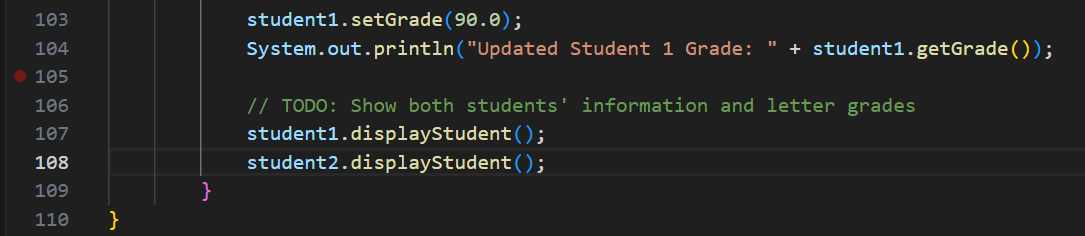
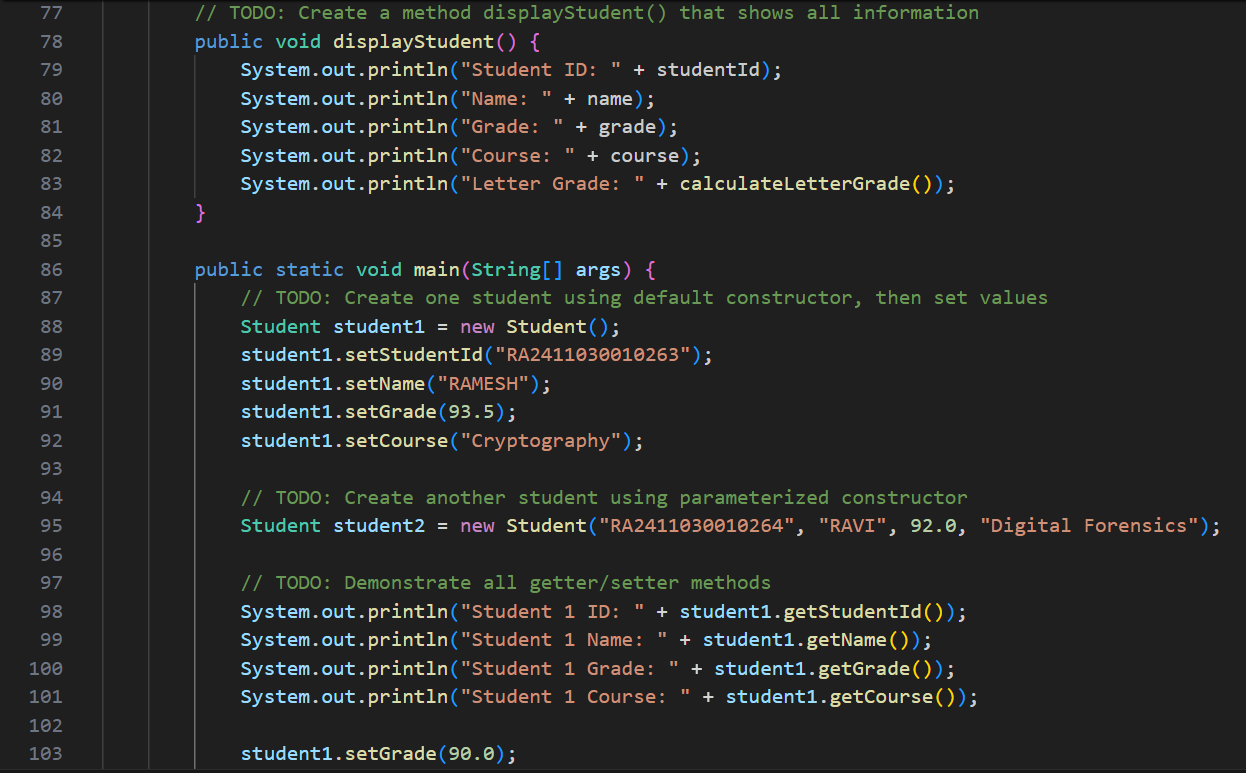
  

OUTPUT

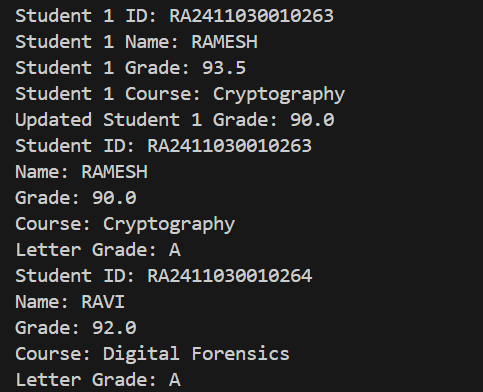


PRACTISE PROBLEM 2:

Create a Student class that demonstrates proper class structure and object instantiation.

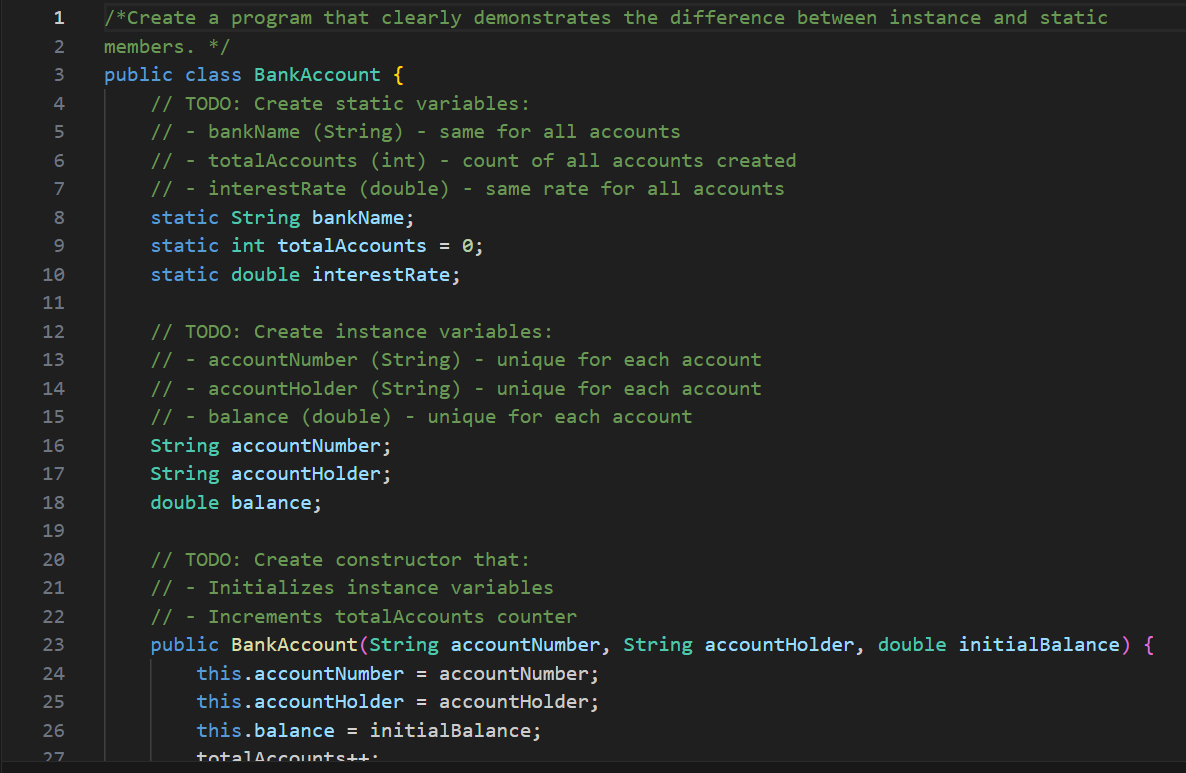
**OUTPUT:**

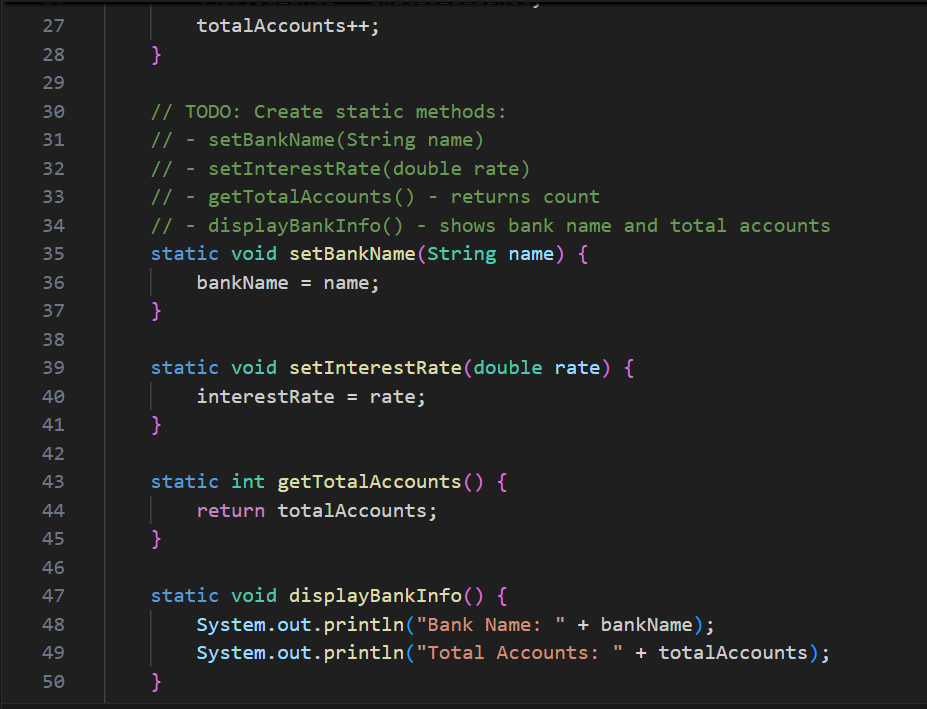
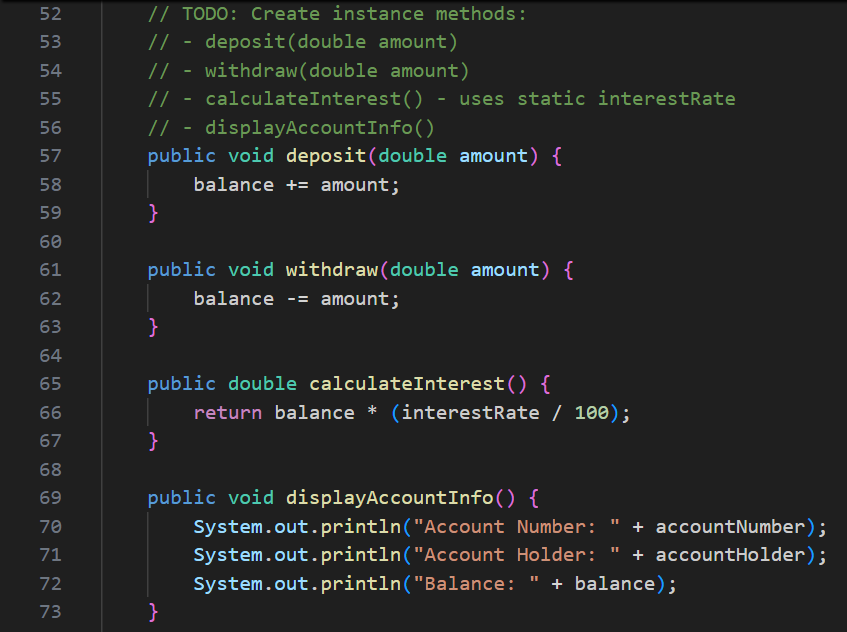
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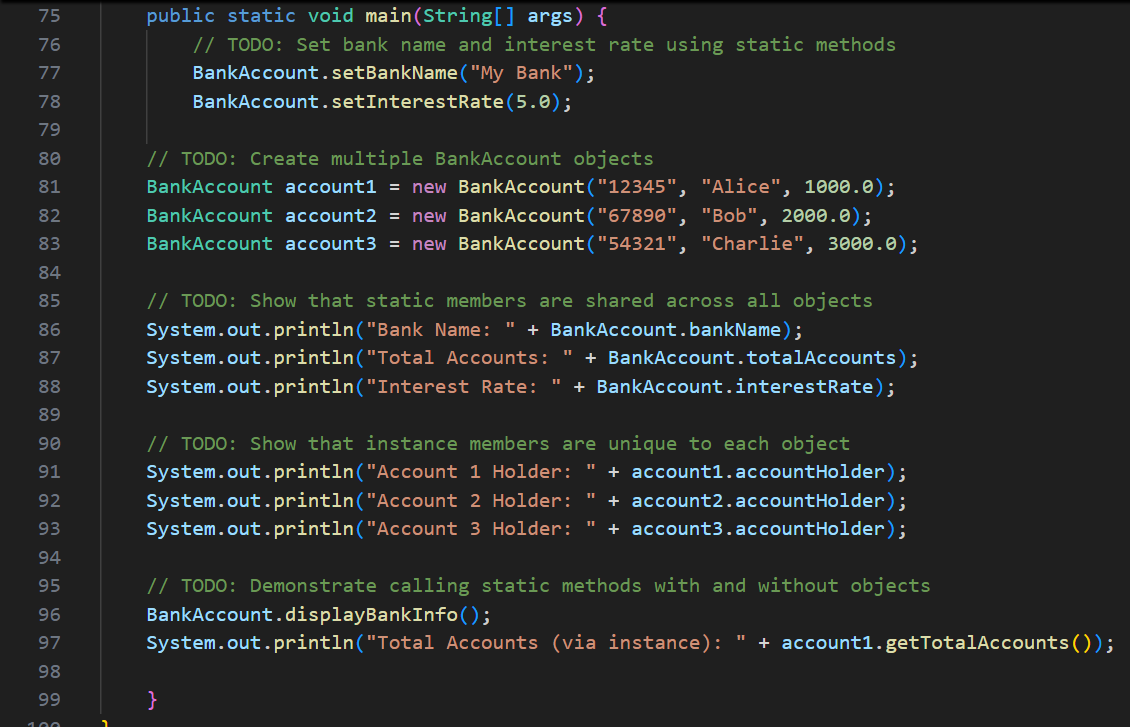
**PRACTISE PROBLEM 3:**

**Create a program that clearly demonstrates the difference between instance and static**

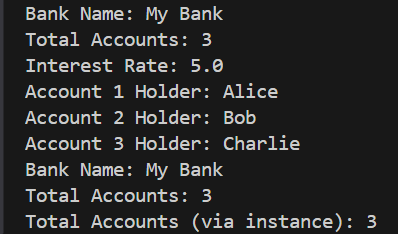
**members.**



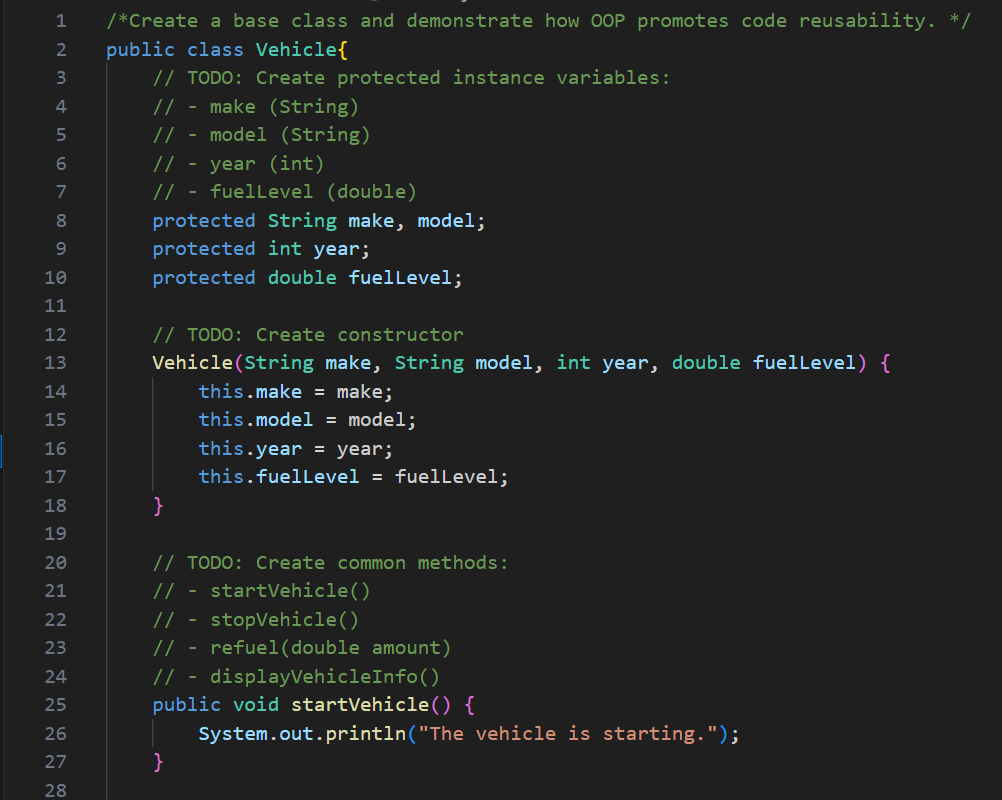
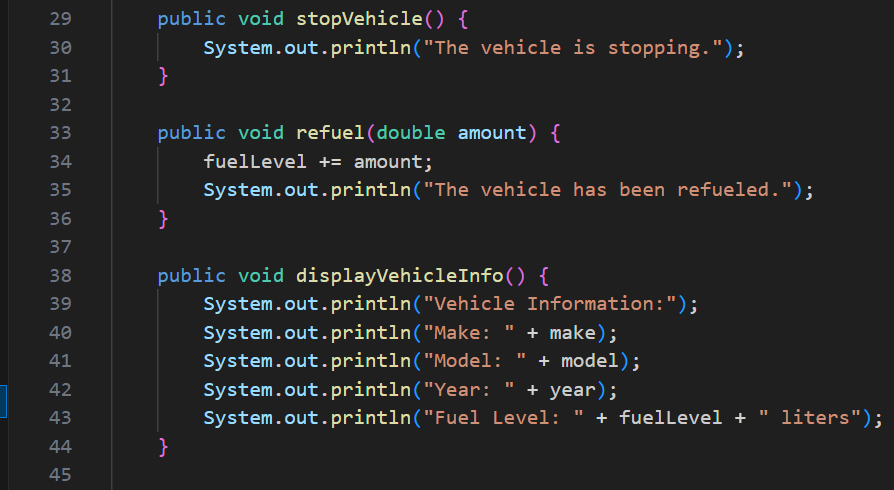


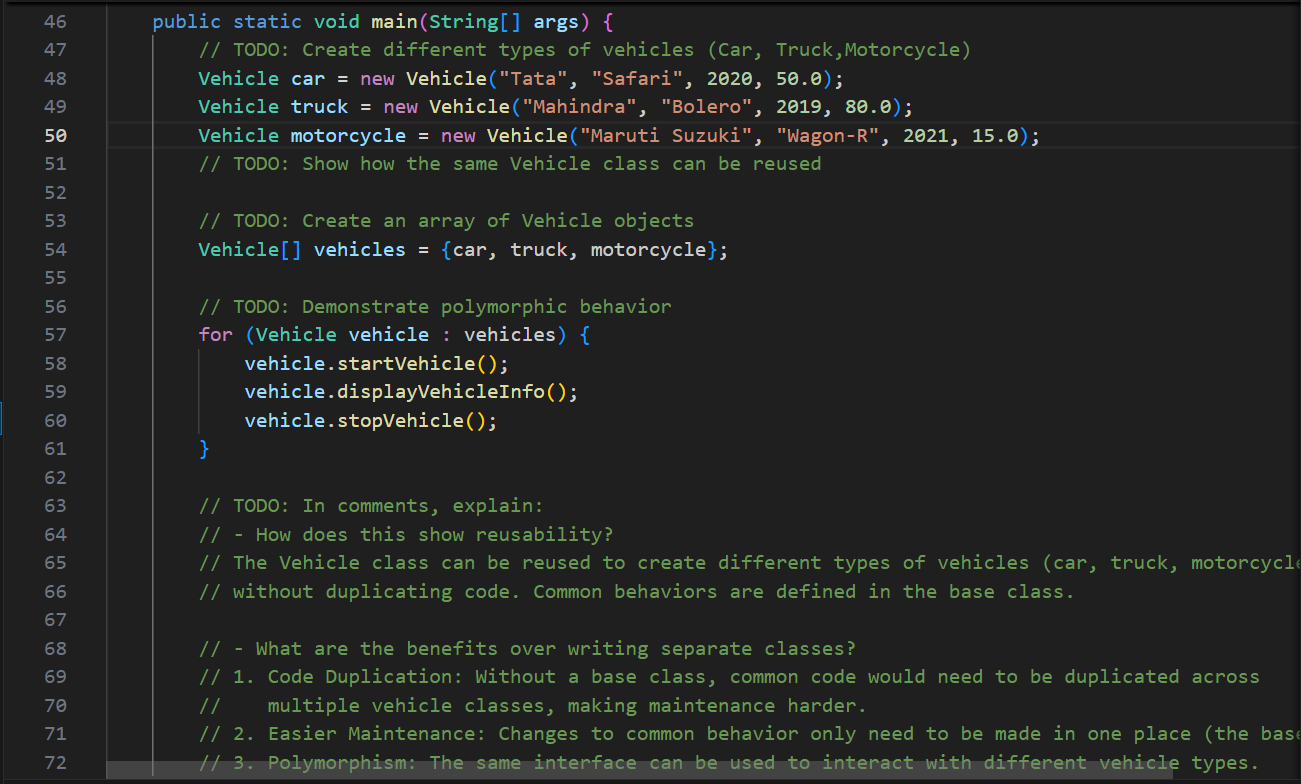
**OUTPUT:**

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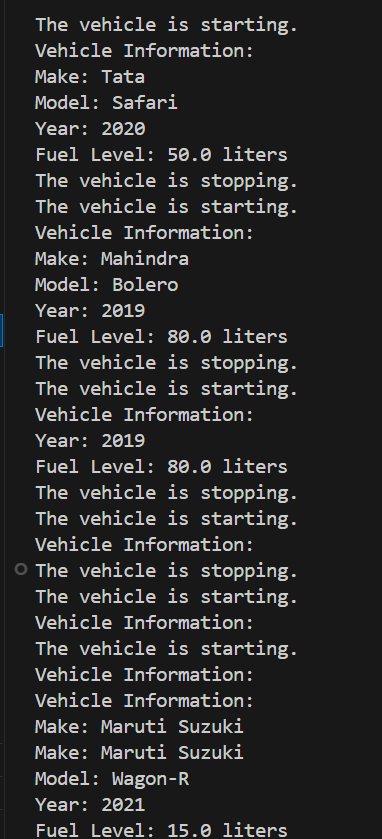
PRACTISE PROBLEM 4:

Create a base class and demonstrate how OOP promotes code reusability.



**OUTPUT:**

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