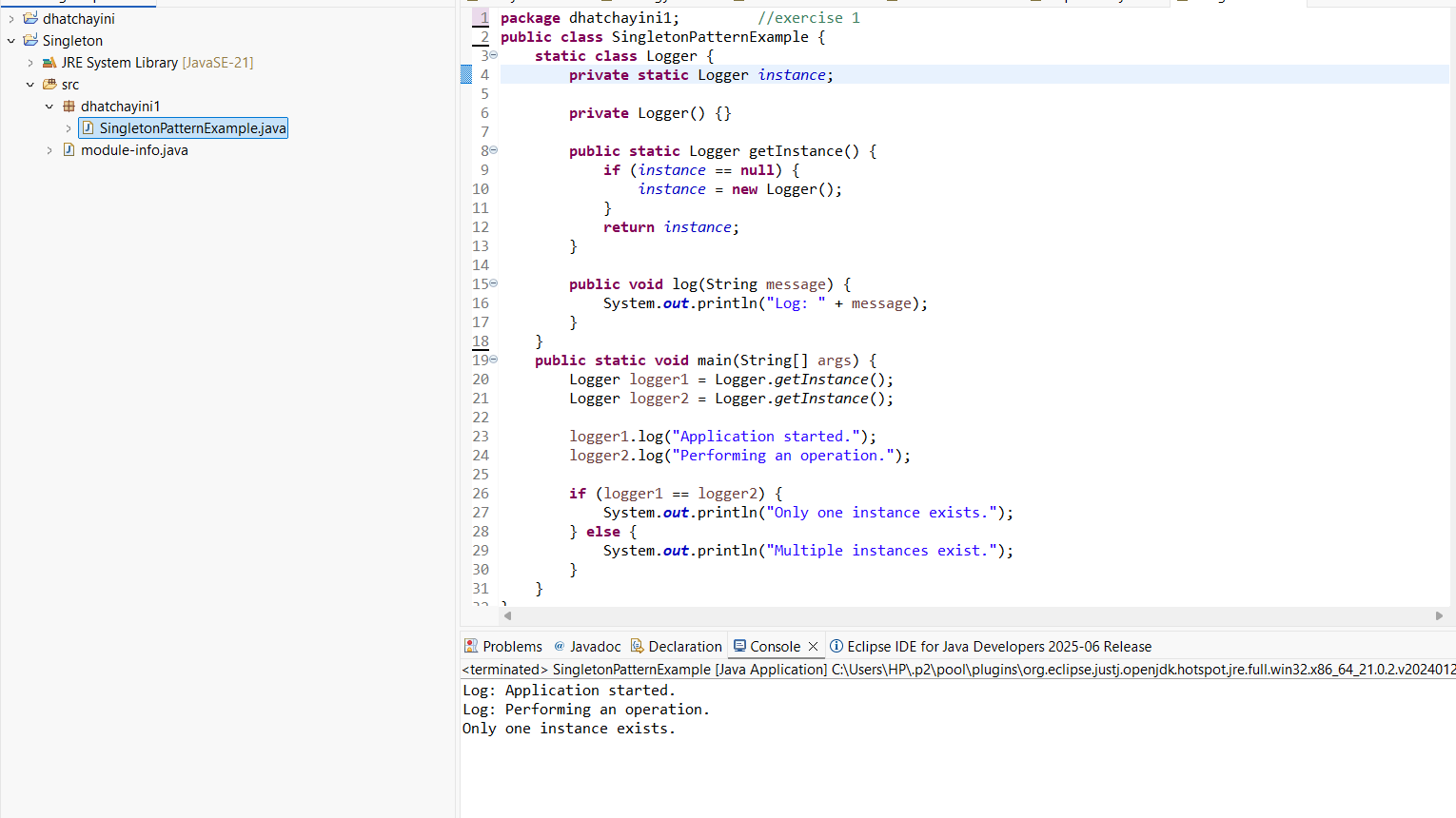
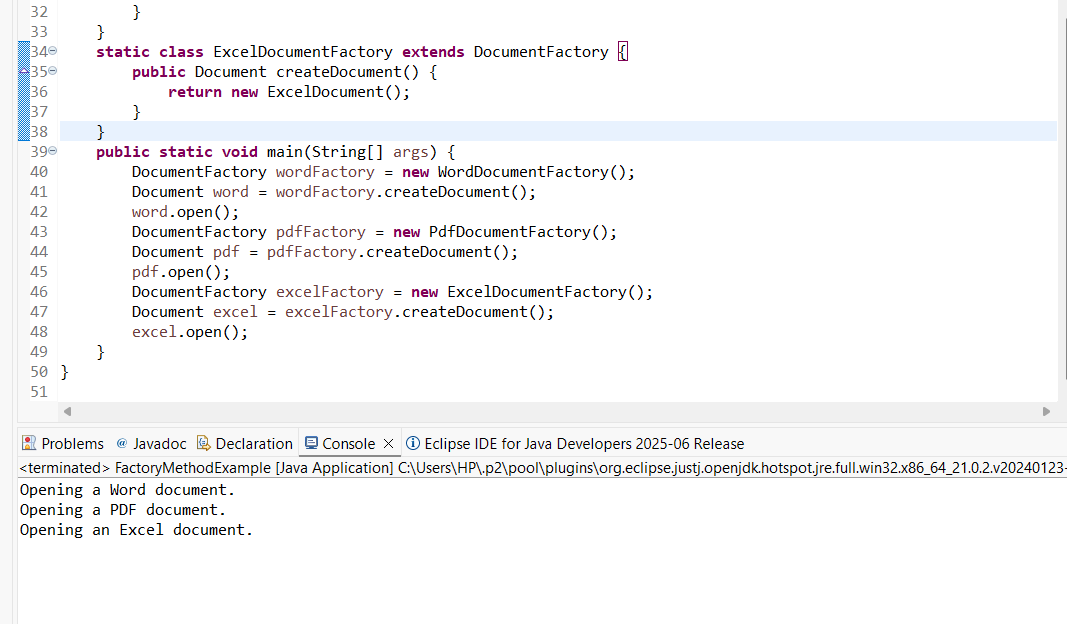
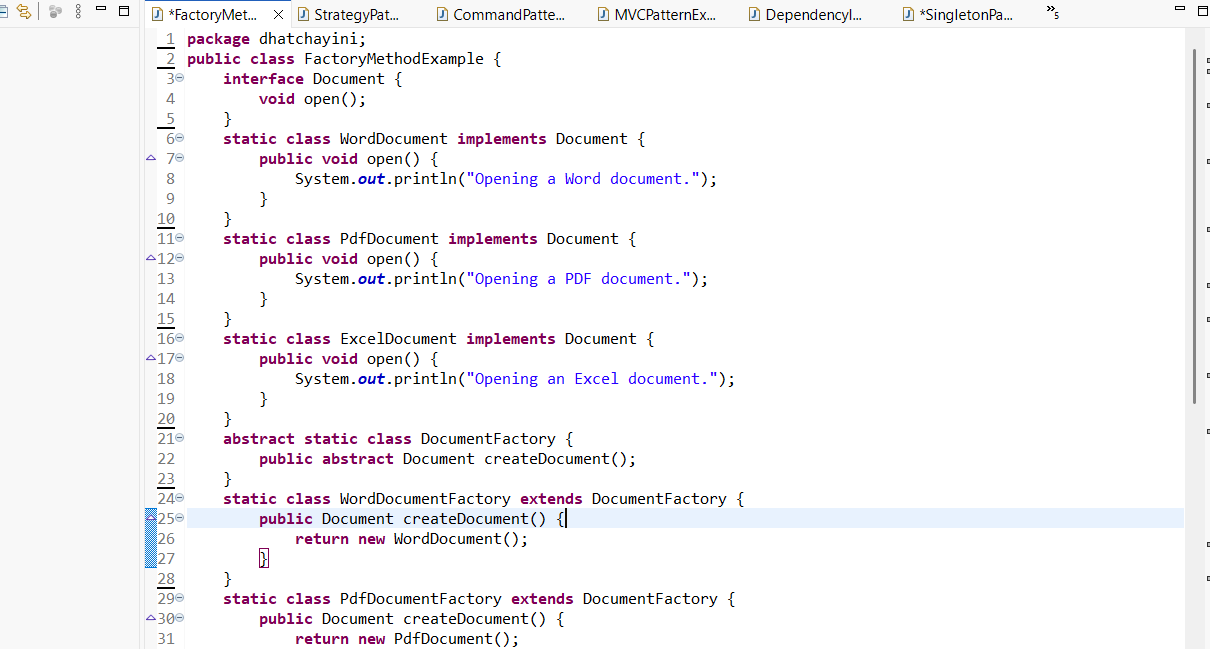
**Week 1:**

**Exercise 1: Implementing the Singleton Pattern**

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**Exercise 2: Implementing the Factory Method Pattern**

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**Exercise 3: Implementing the Builder Pattern**

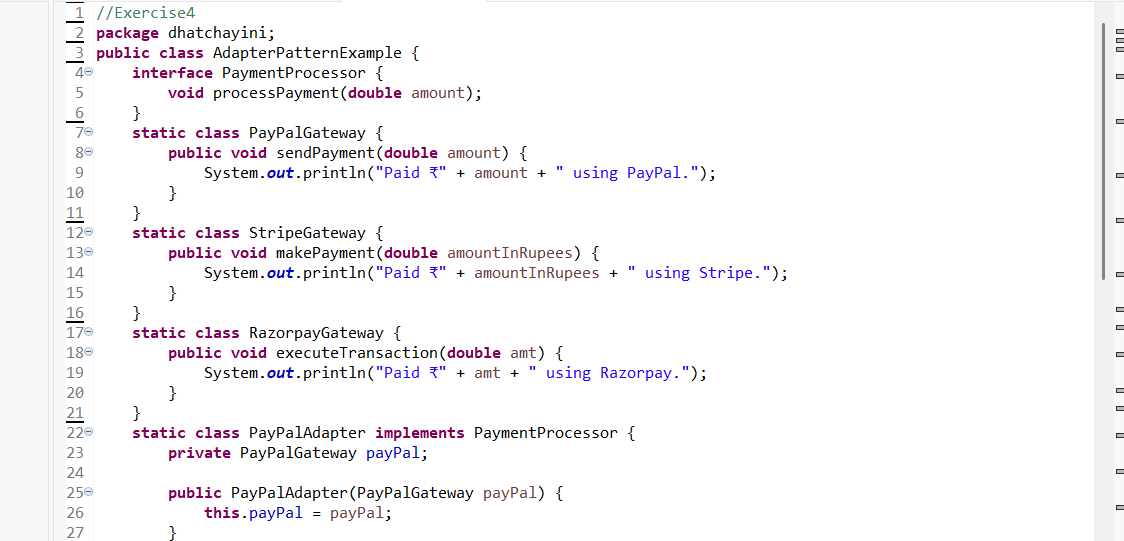
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**OUTPUT:**

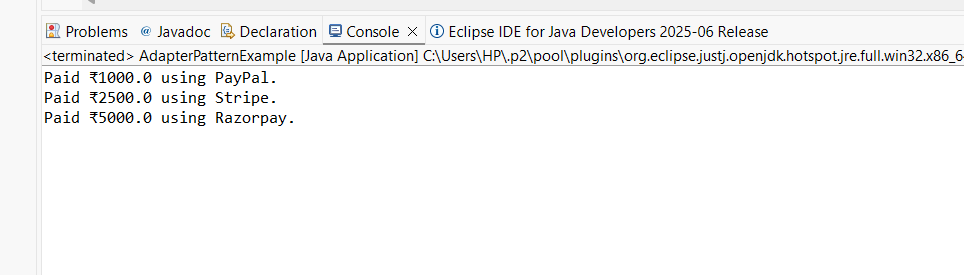
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**Exercise 4: Implementing the Adapter Pattern**

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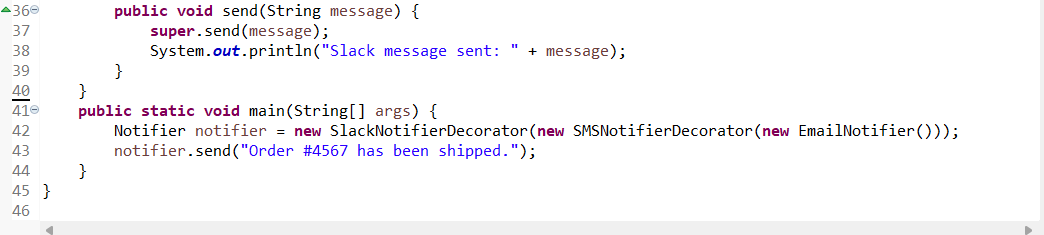
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**OUTPUT:**

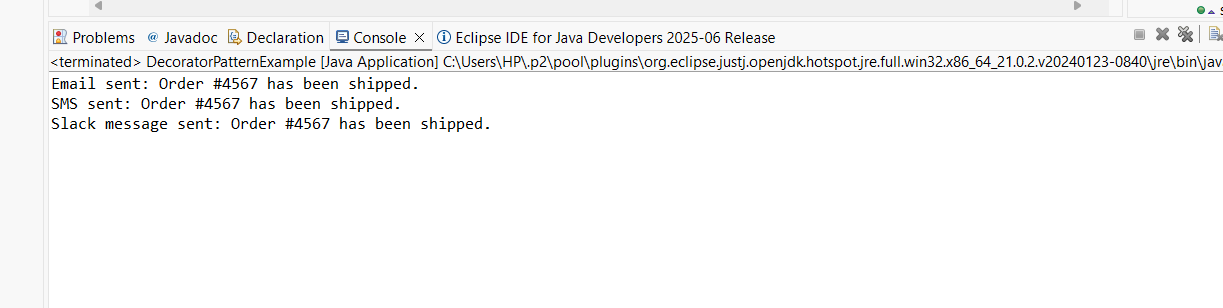
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**Exercise 5: Implementing the Decorator Pattern**

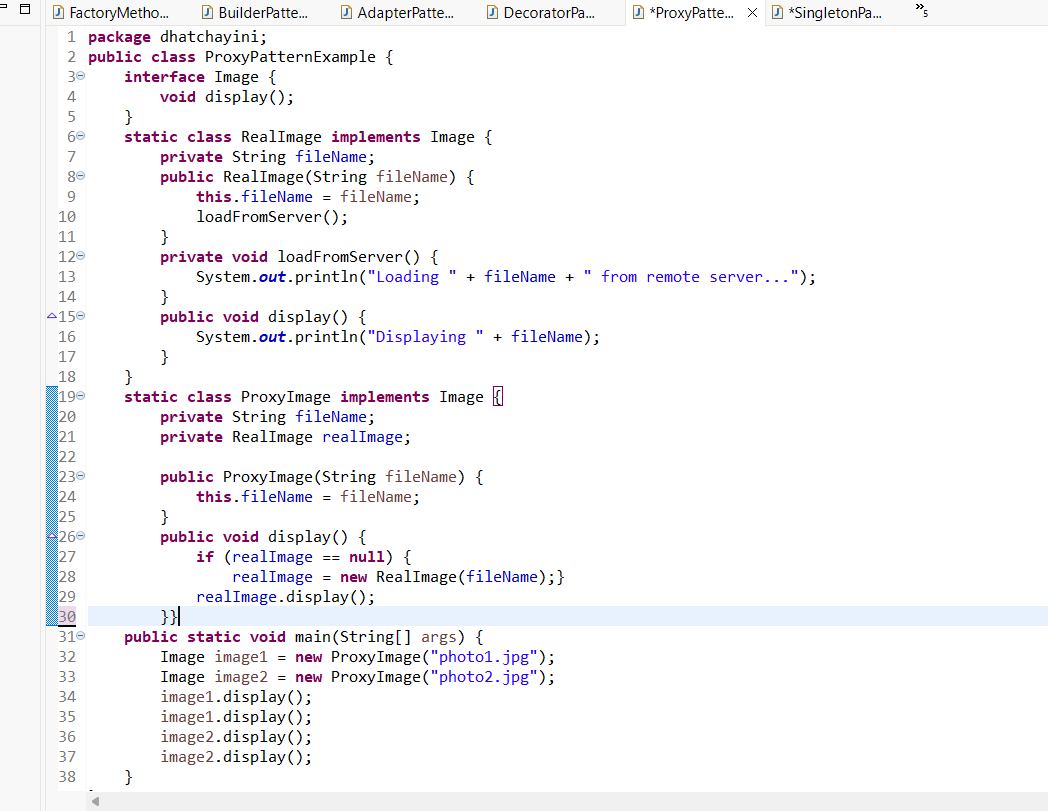
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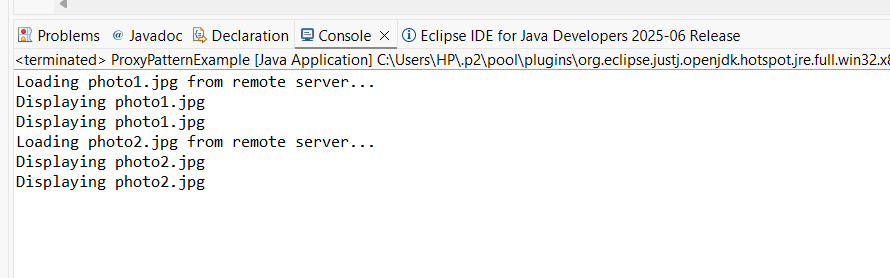
**OUTPUT:**

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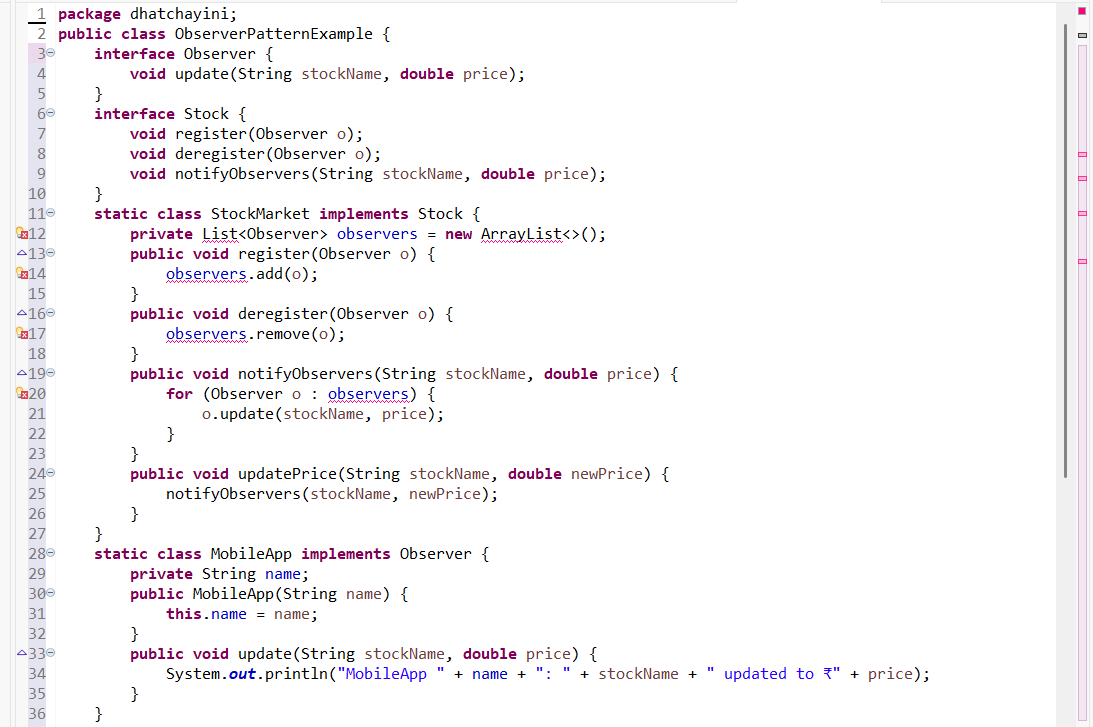
**Exercise 6: Implementing the Proxy Pattern**

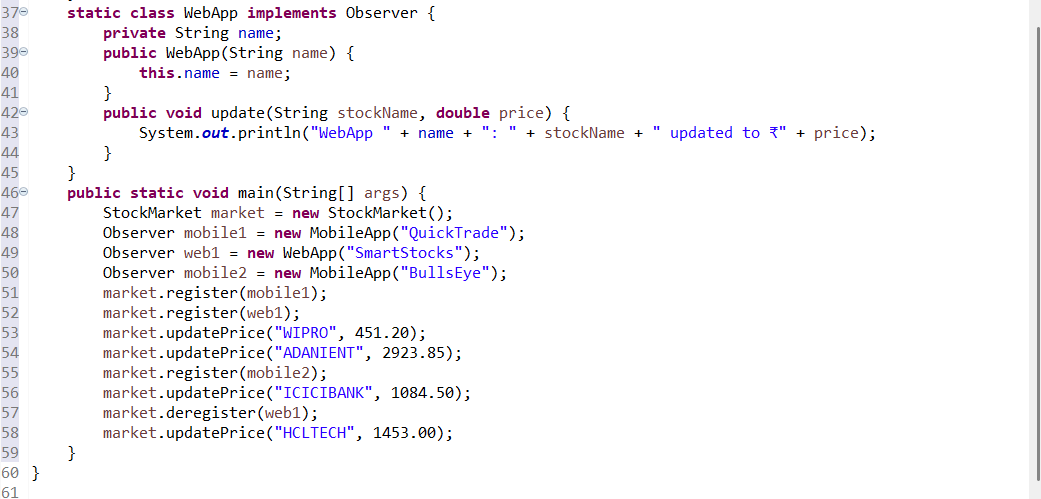
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**OUTPUT:**

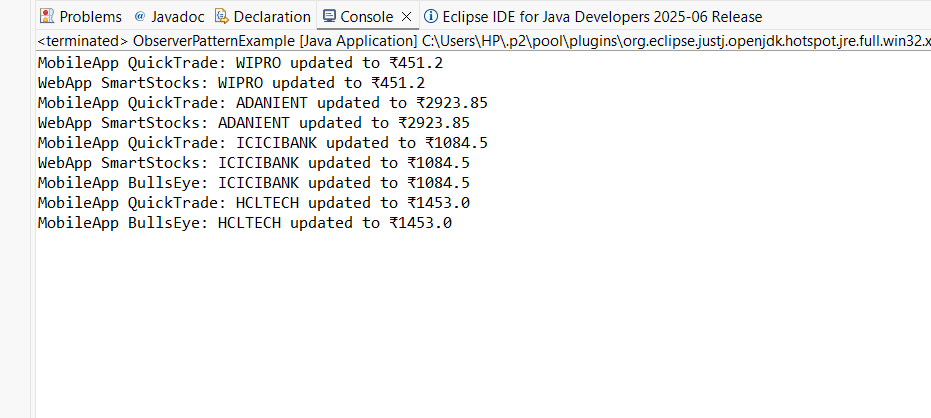
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**Exercise 7: Implementing the Observer Pattern**

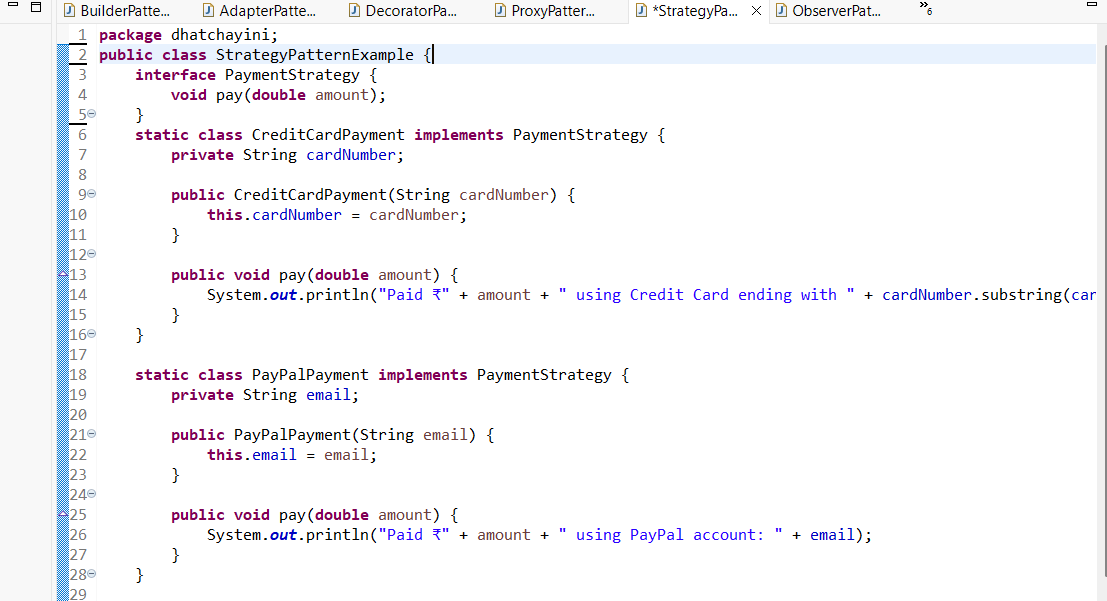
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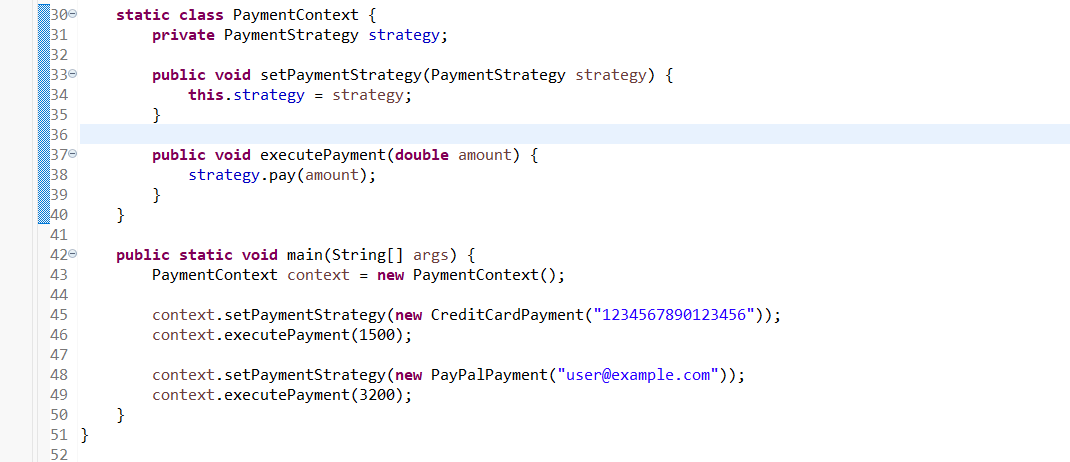
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**OUTPUT:**

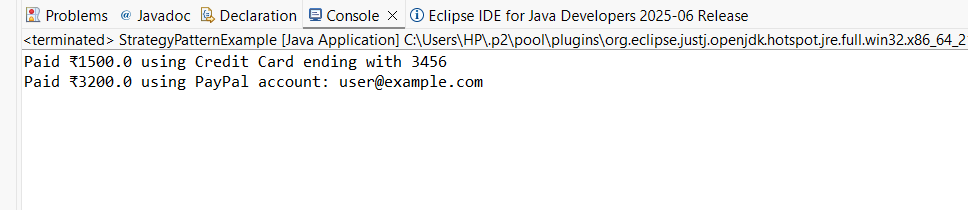
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**Exercise 8: Implementing the Strategy Pattern**

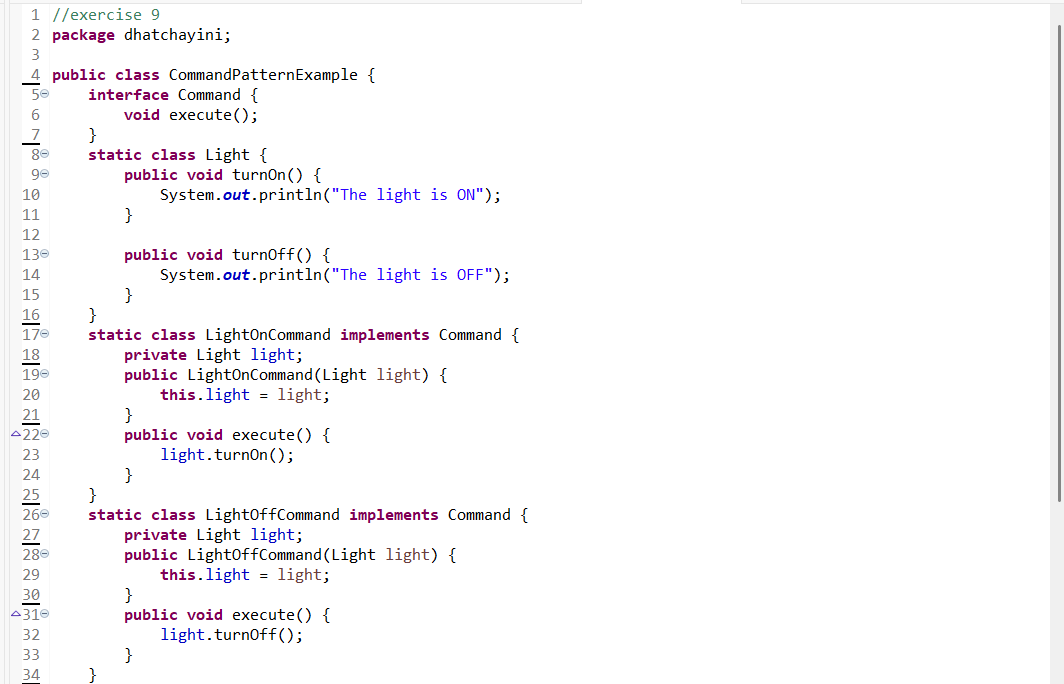
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**OUTPUT:**

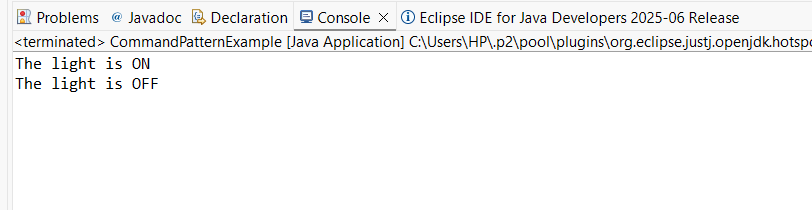
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**Exercise 9: Implementing the Command Pattern**

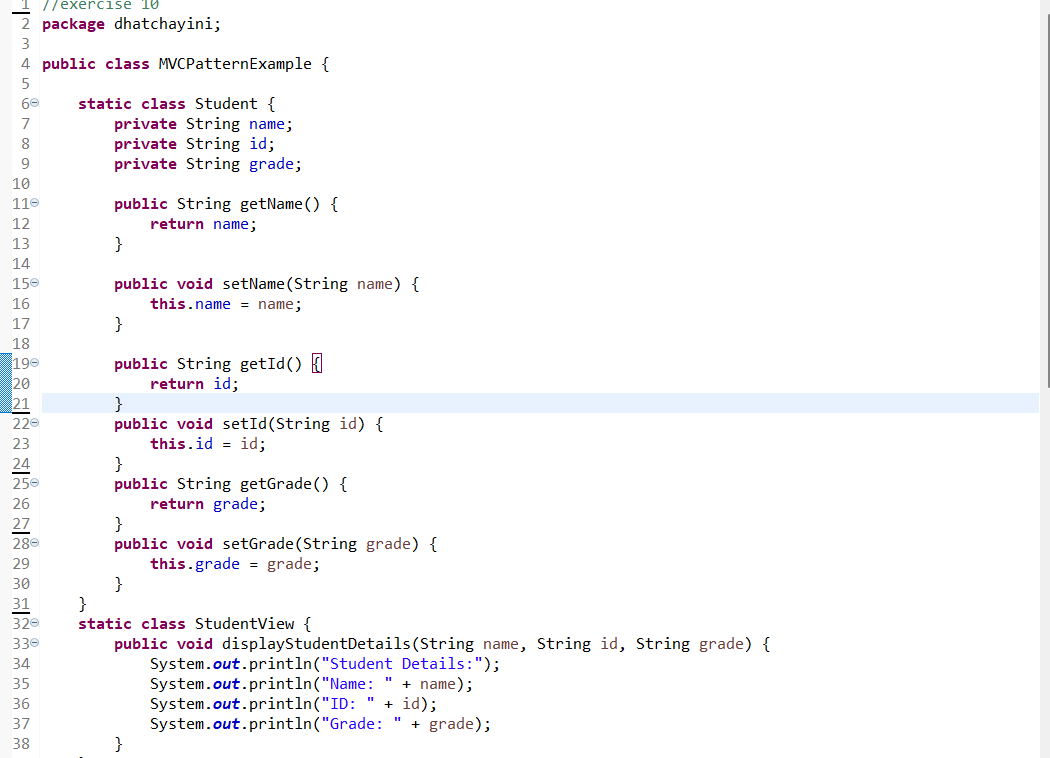
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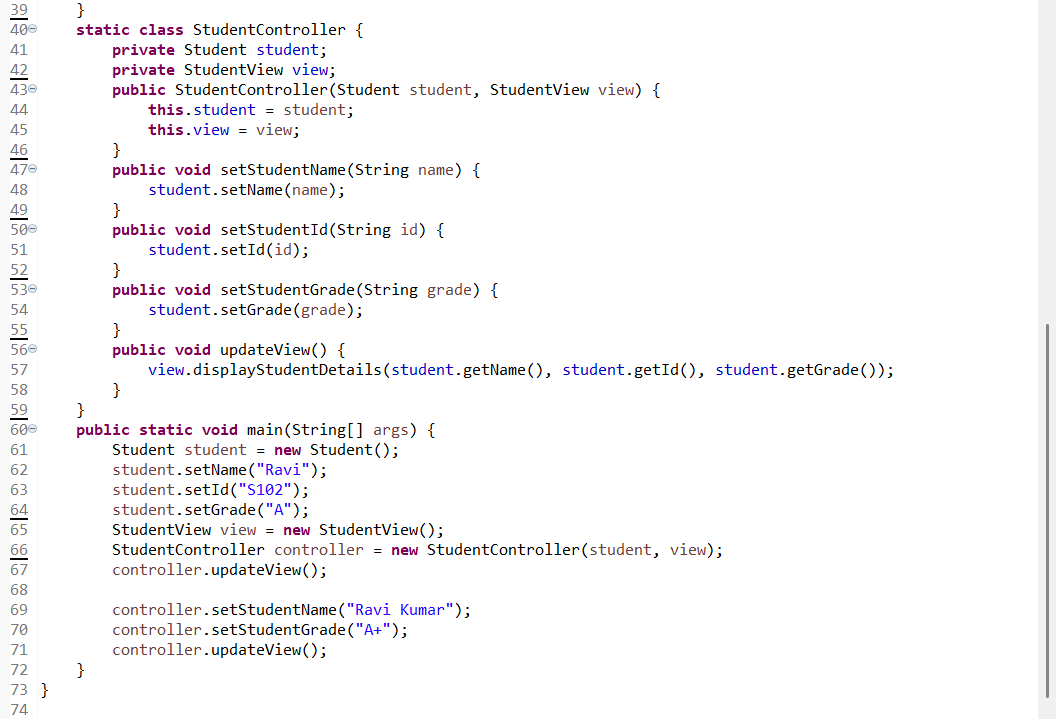
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**OUTPUT:**

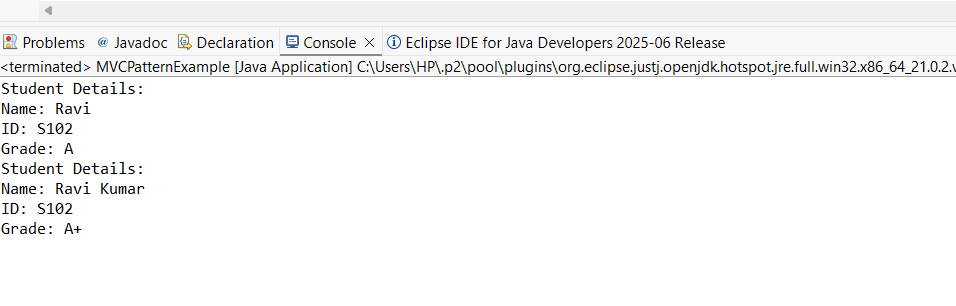
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**Exercise 10: Implementing the MVC Pattern**

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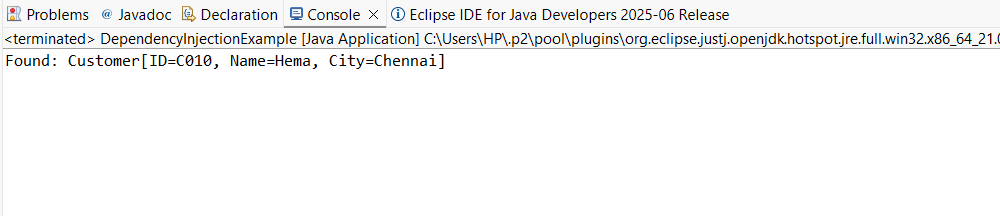
**OUTPUT:**

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**Exercise 11: Implementing Dependency Injection**

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**OUTPUT:**

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