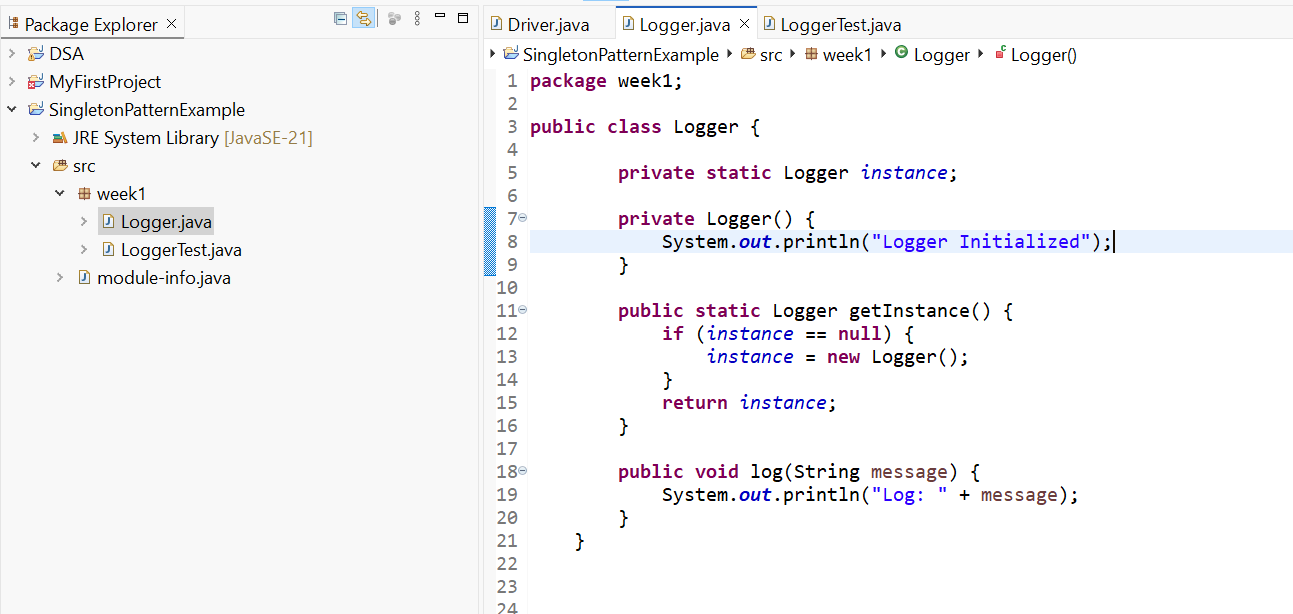
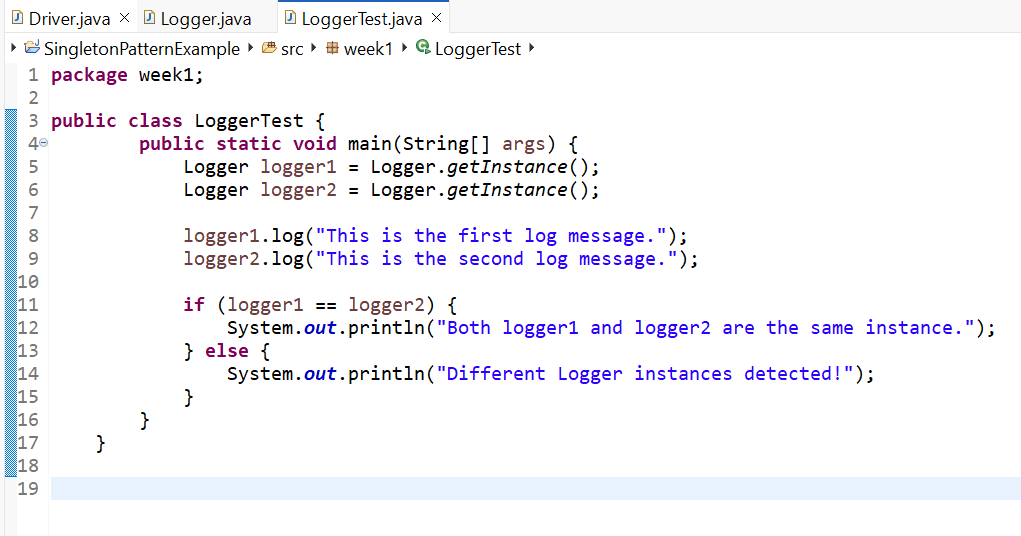
**Exercise 1: Implementing the Singleton Pattern**

Java project named **SingletonPatternExample :** with two classes

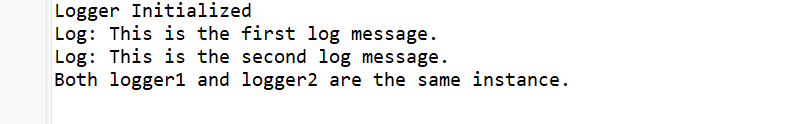
**Logger.java**



LoggerTest.java



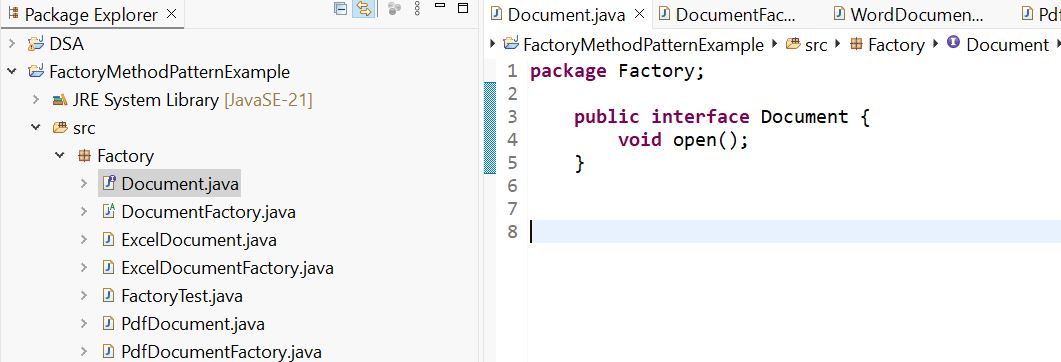
Output:

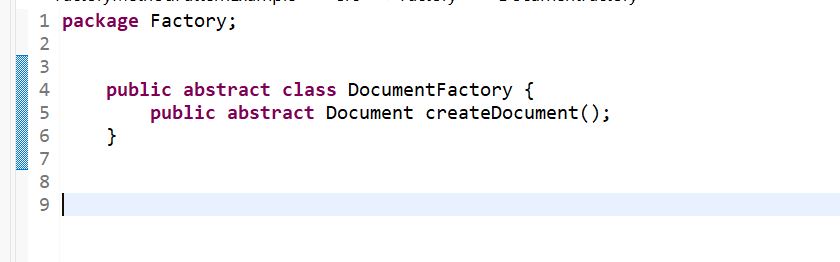


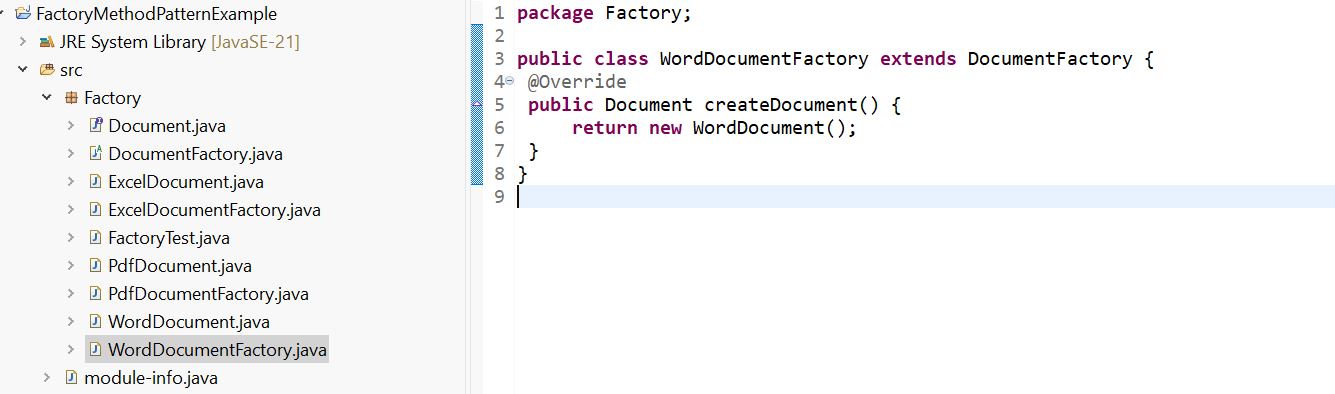
**Exercise 2: Implementing the Factory Method Pattern**

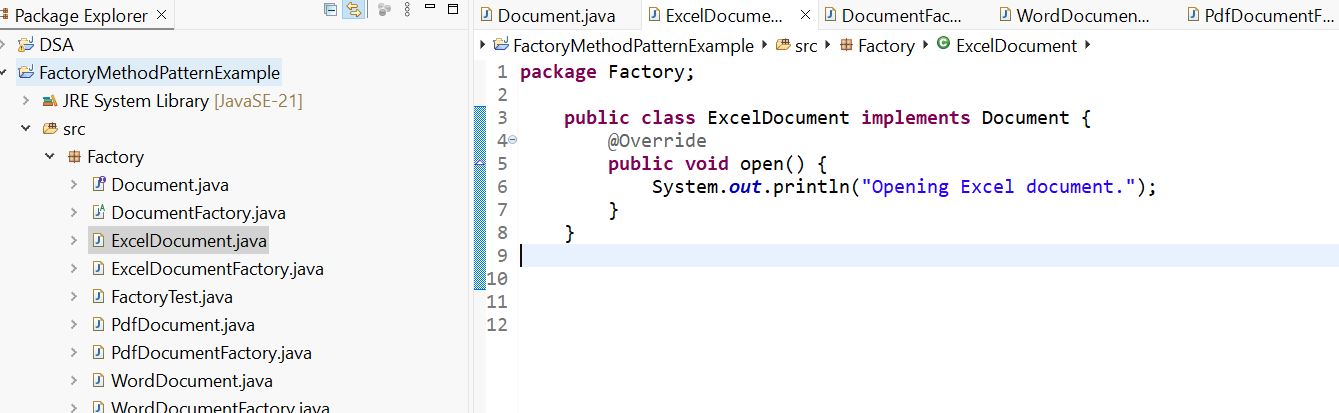
Project Name: FactoryMethodPatternExample

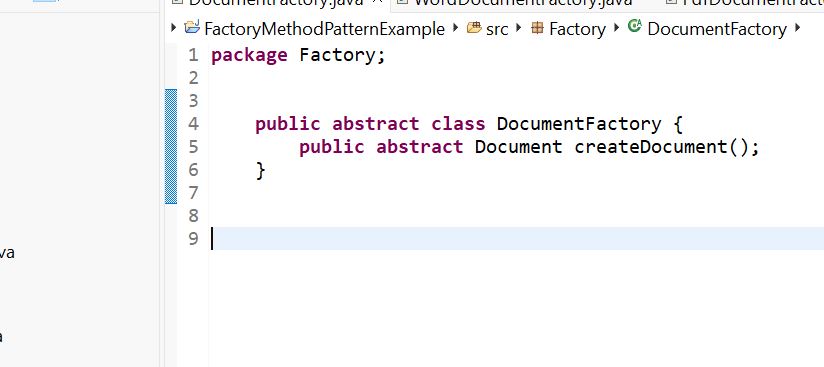
Document.java

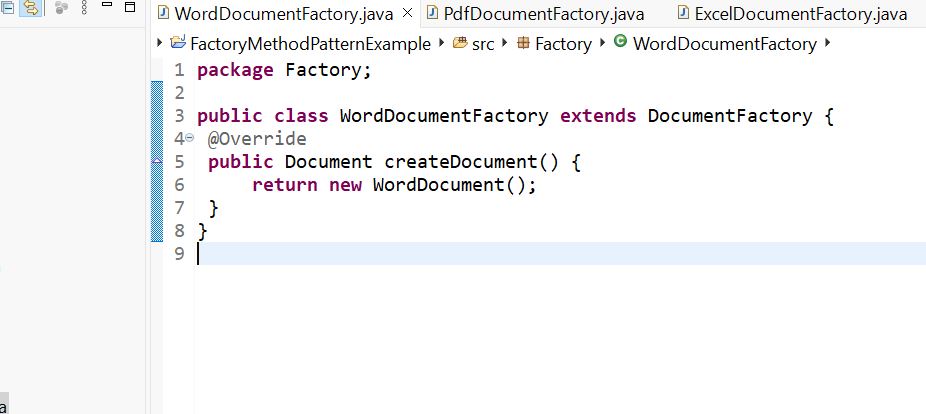


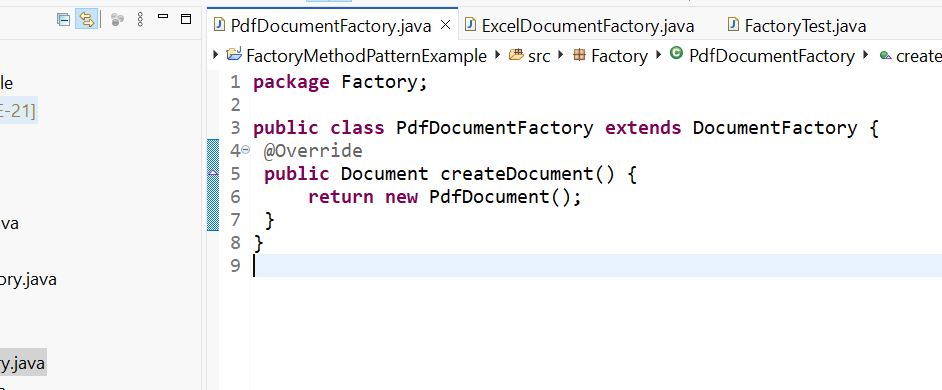


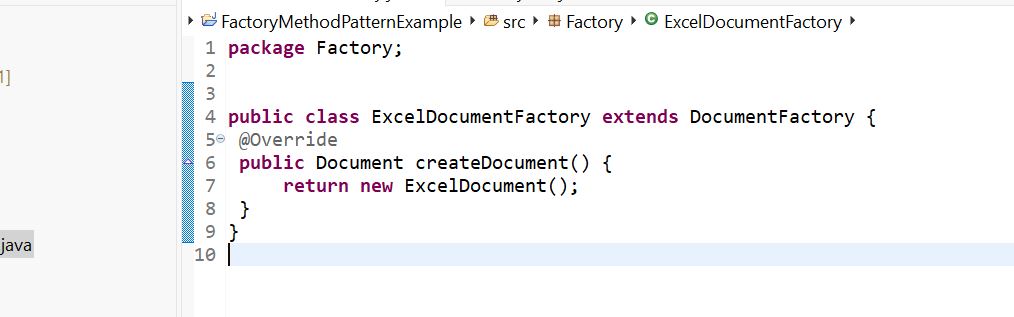




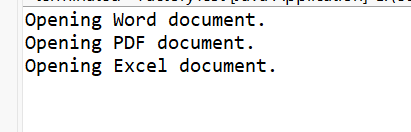




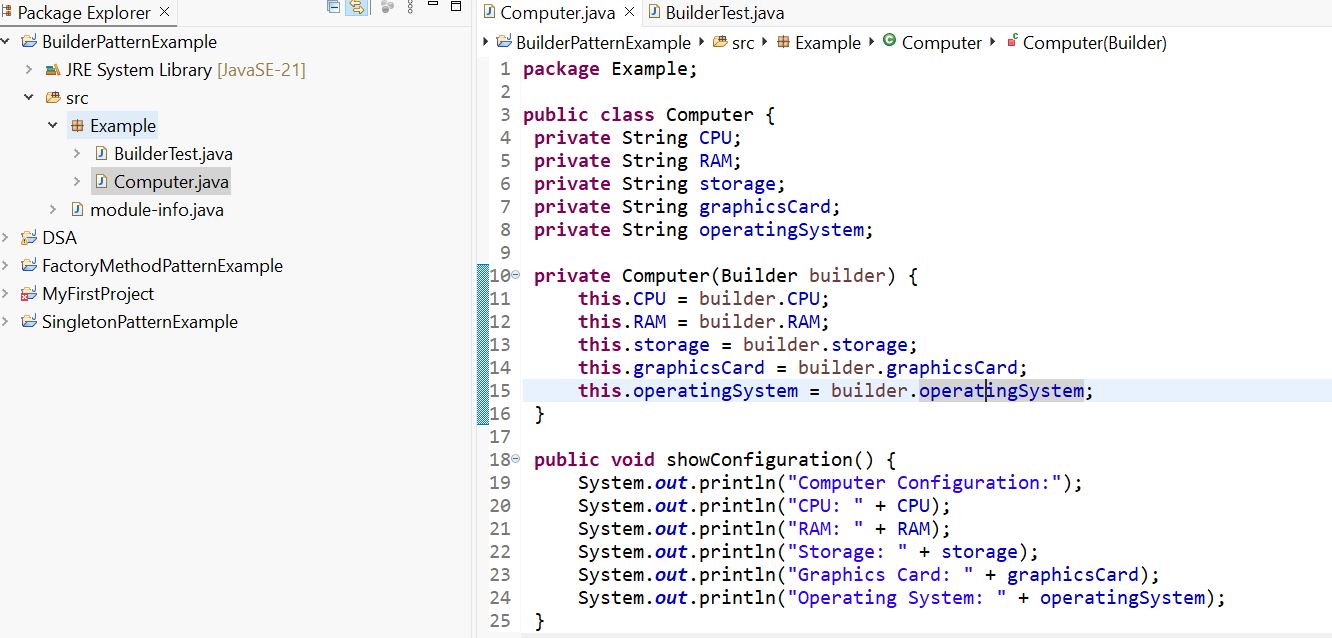


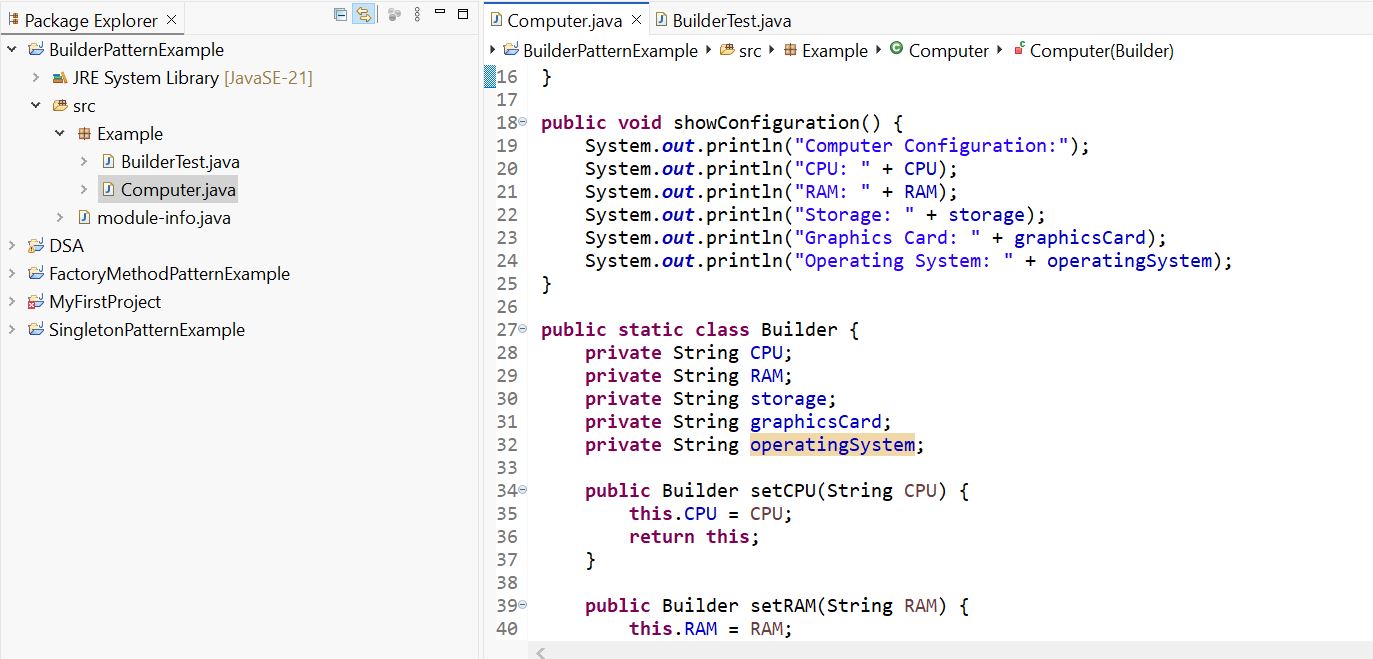


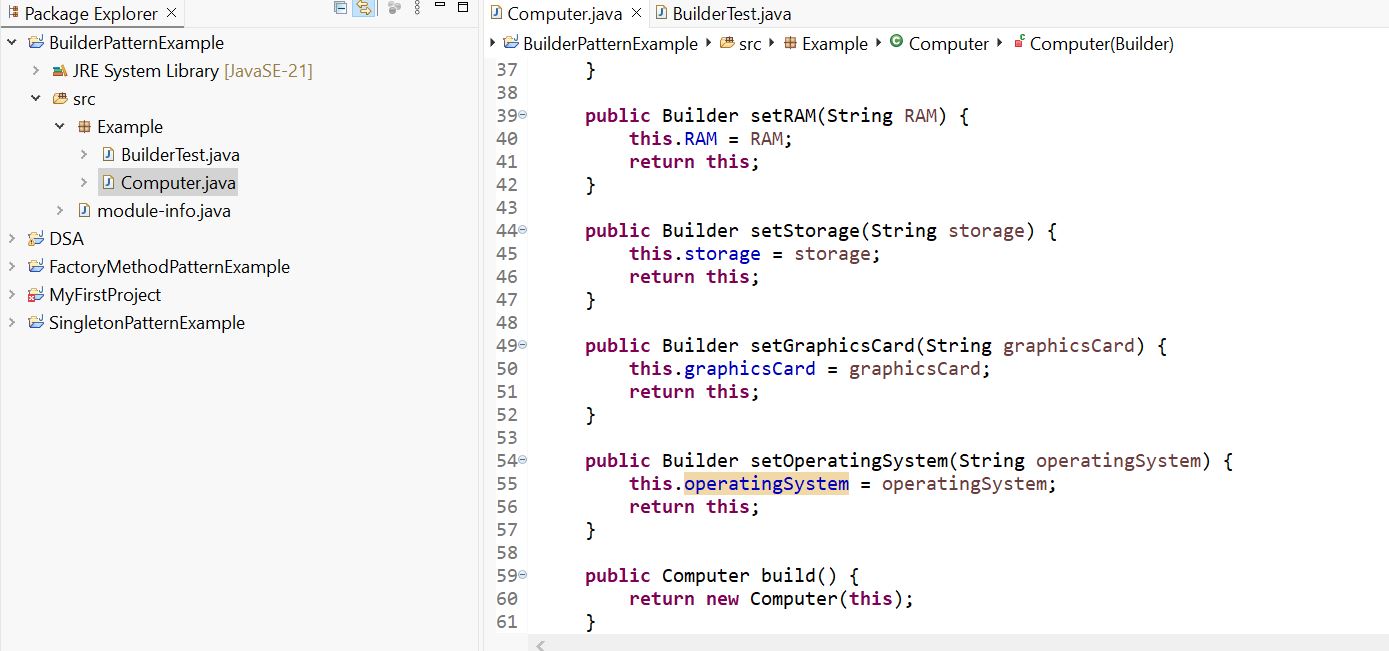
Output:

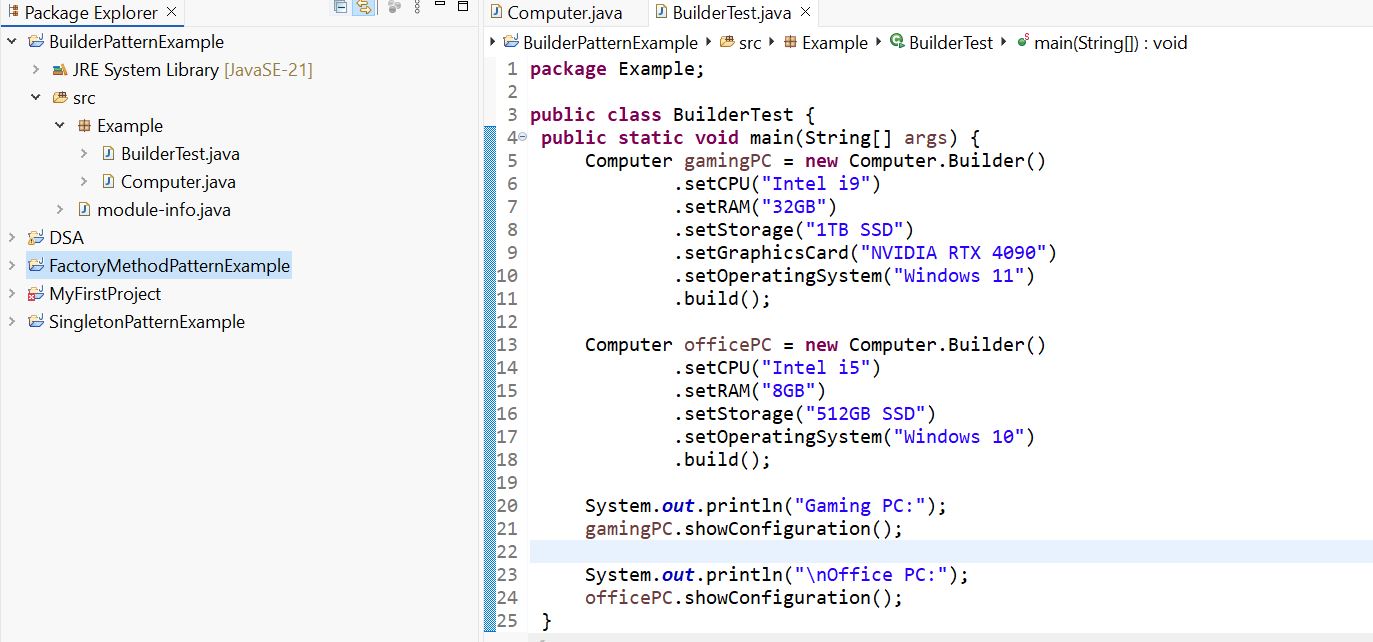


**Exercise 3: Implementing the Builder Pattern**

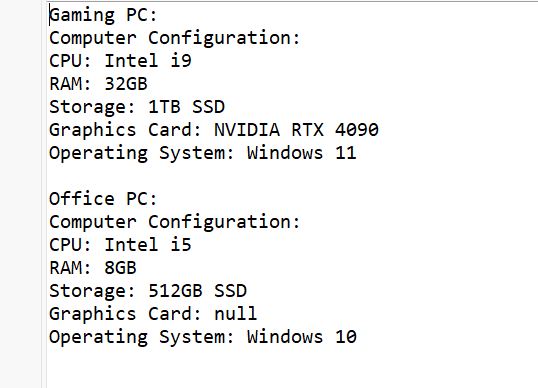




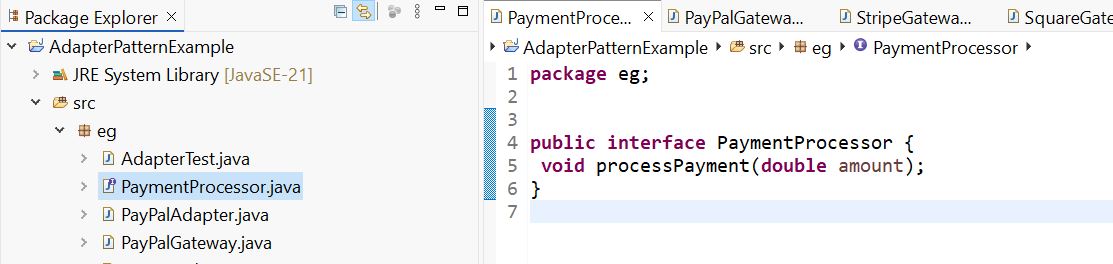


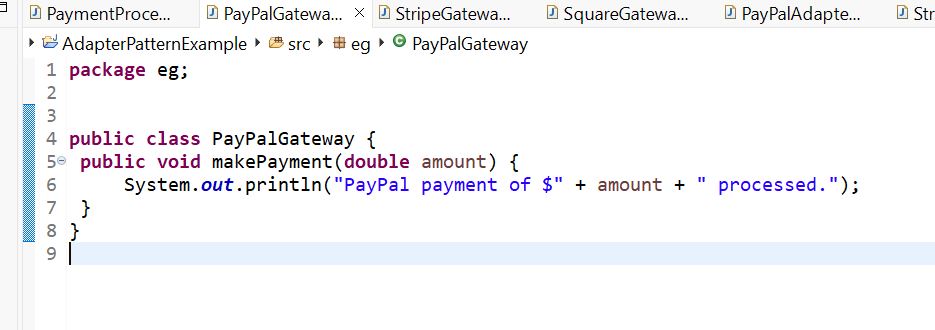


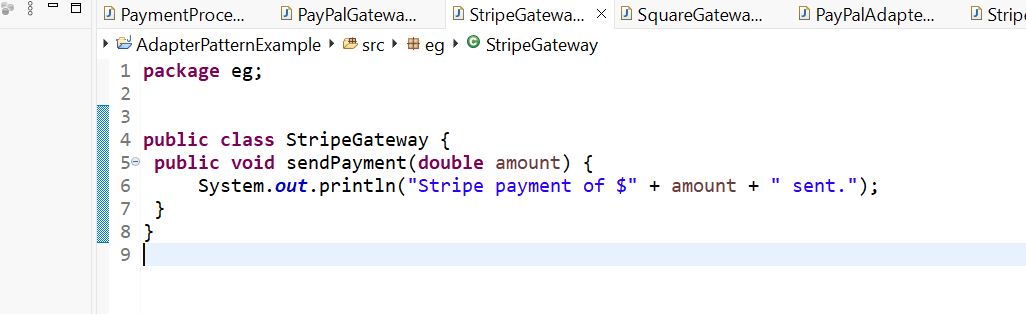
Output:

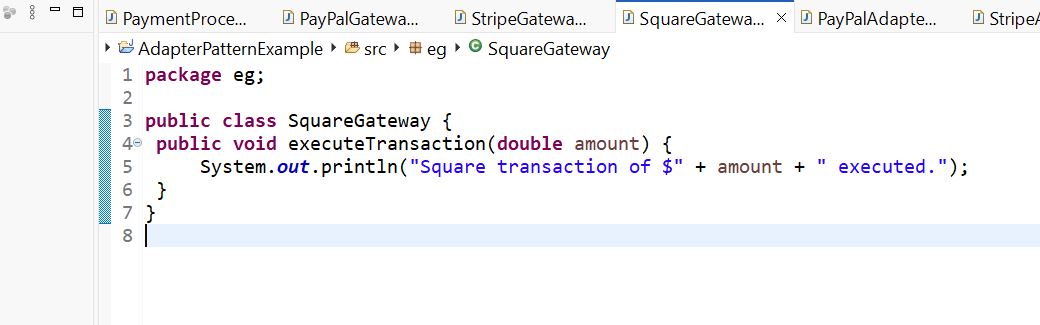


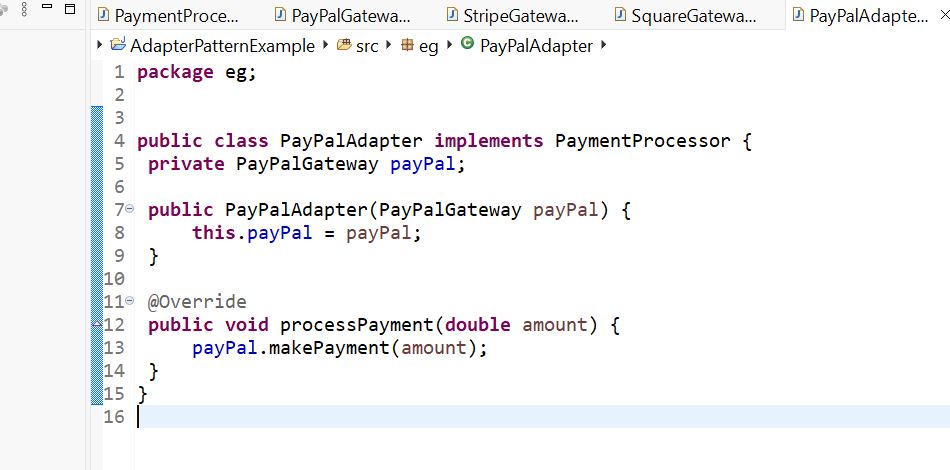
**Exercise 4: Implementing the Adapter Pattern**

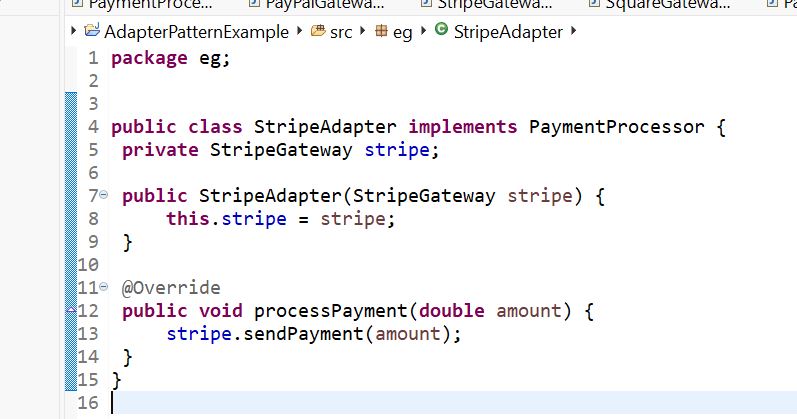


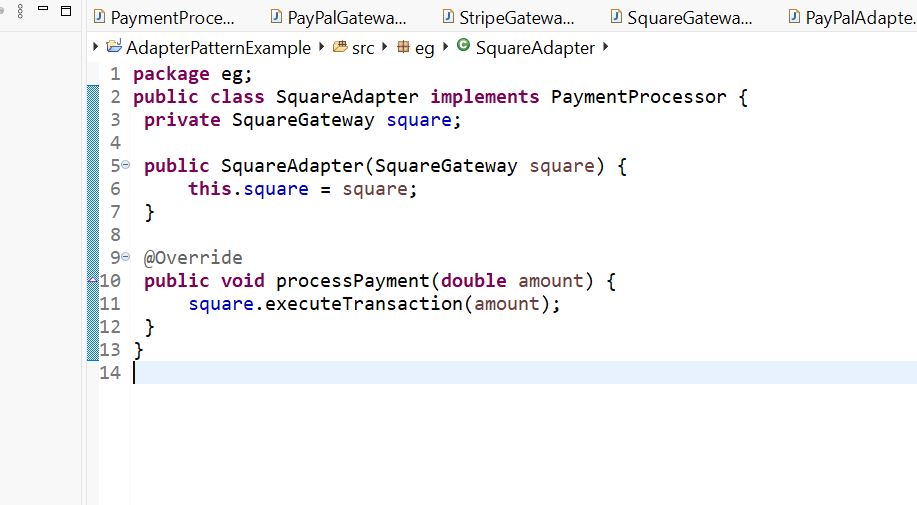


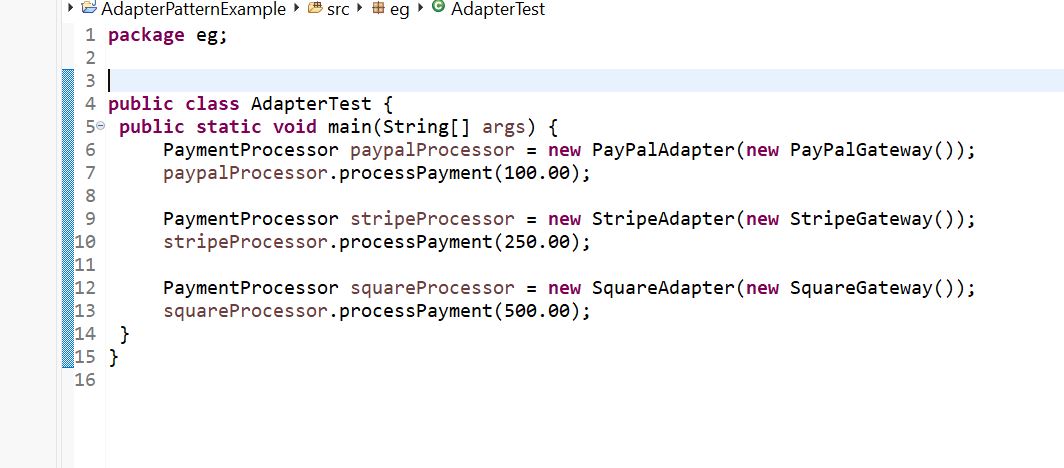




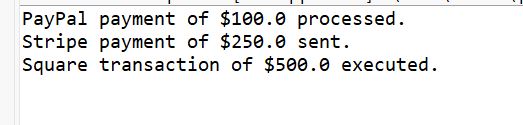




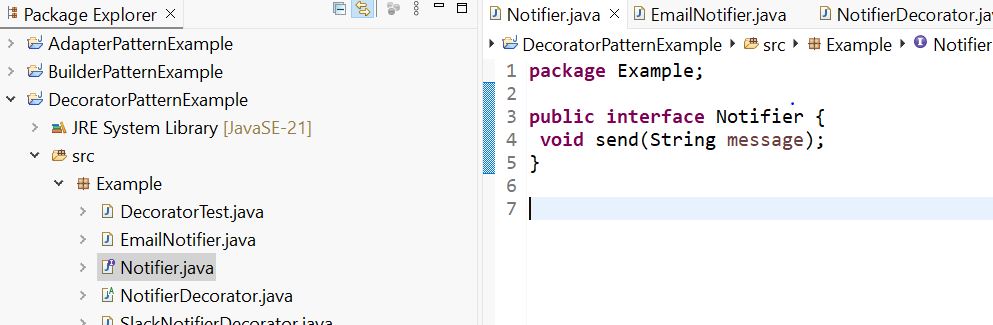


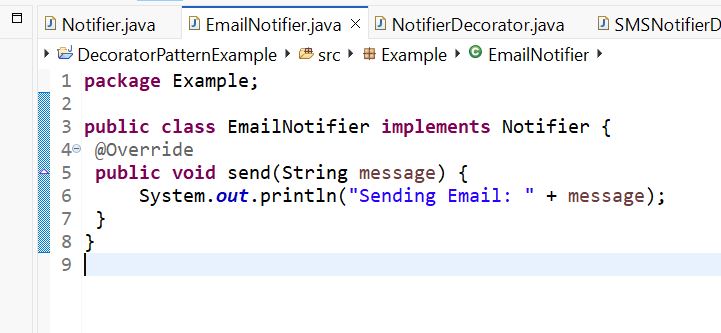


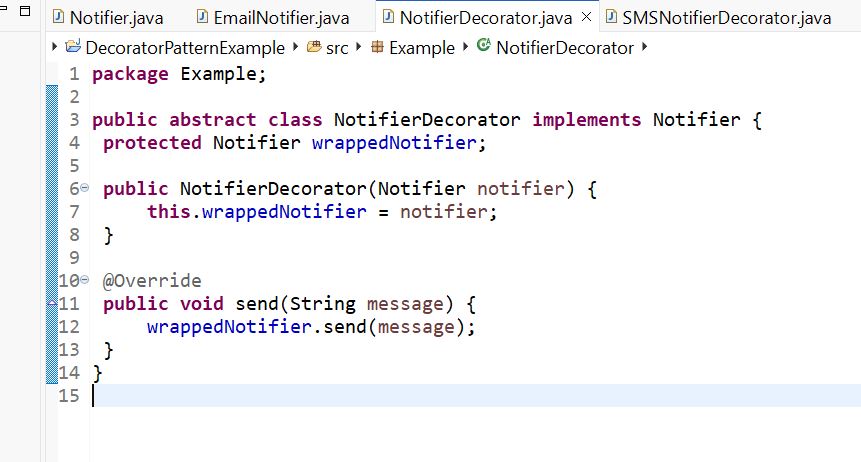
OUTPUT:



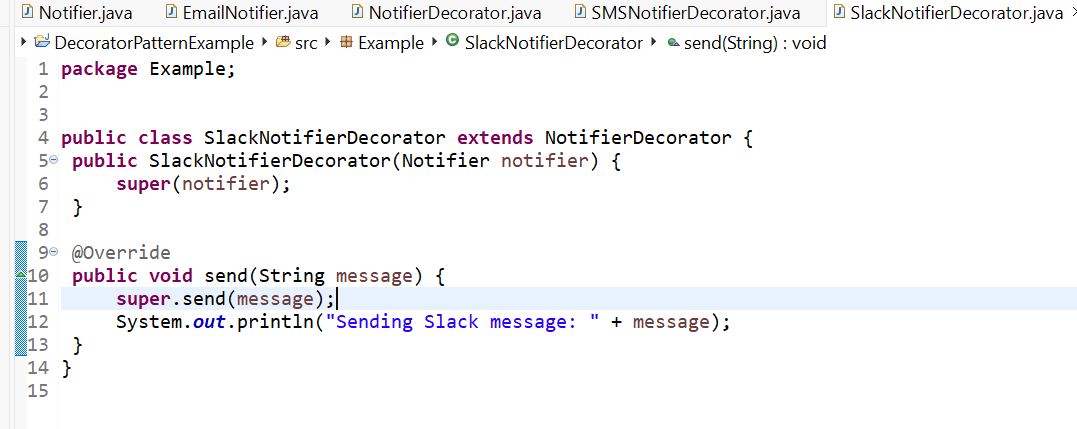
**Exercise 5: Implementing the Decorator Pattern**

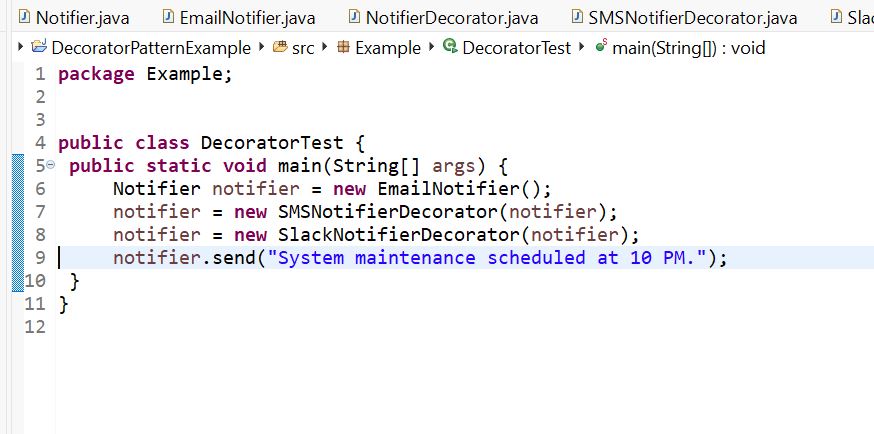




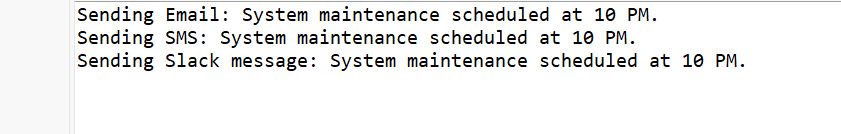




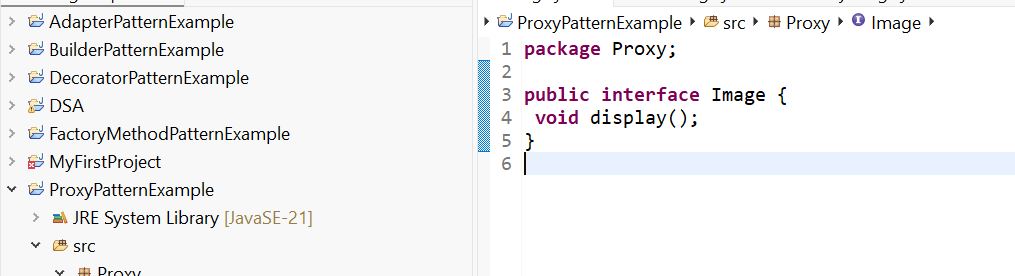




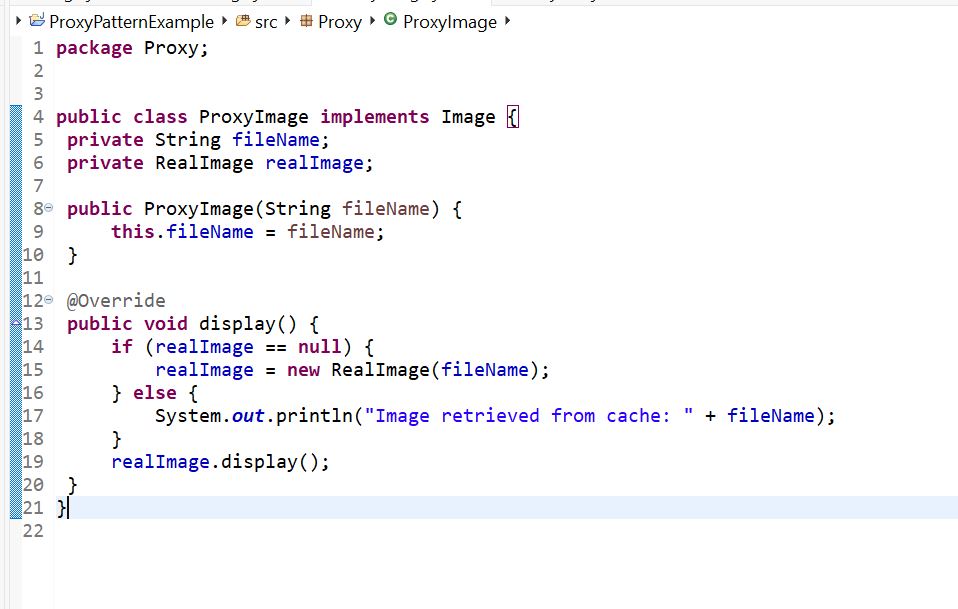
**OUTPUT:**

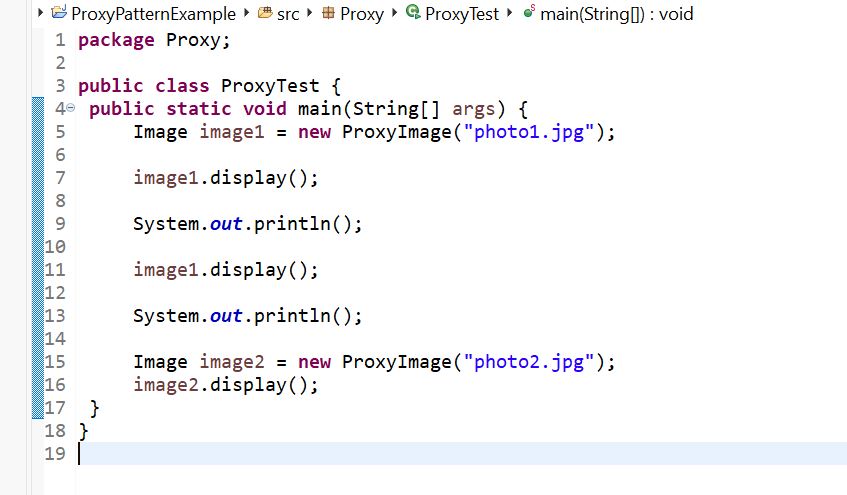


**Exercise 6: Implementing the Proxy Pattern**

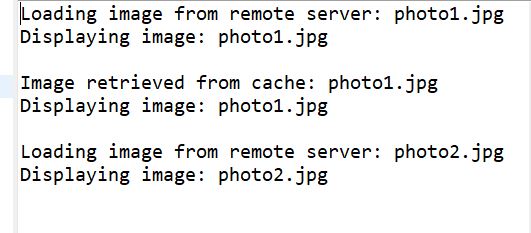




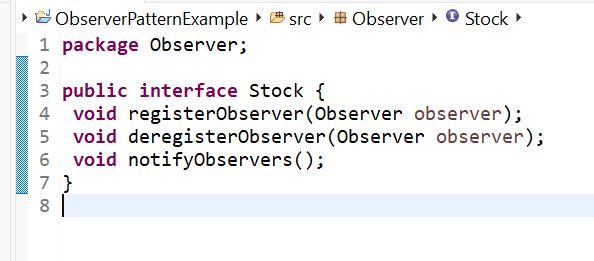




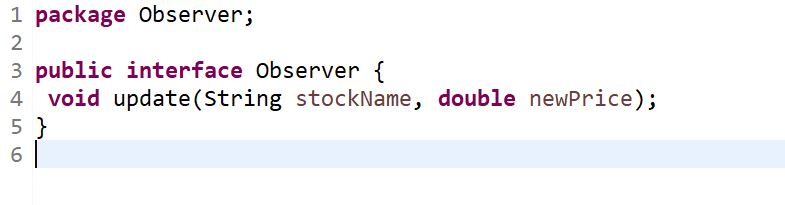
OUTPUT:

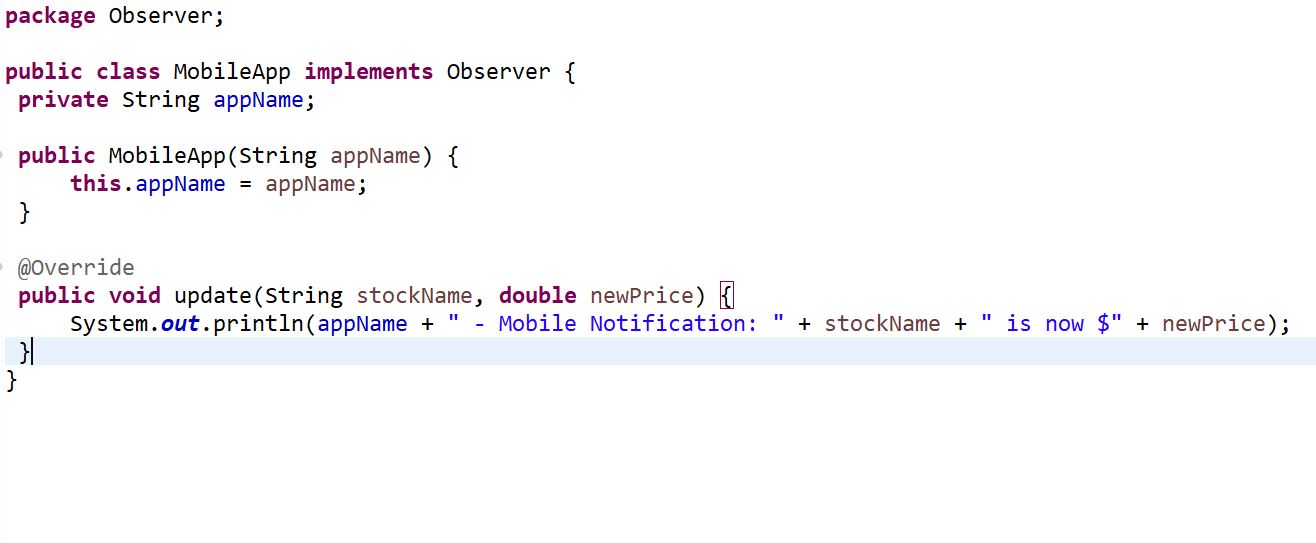


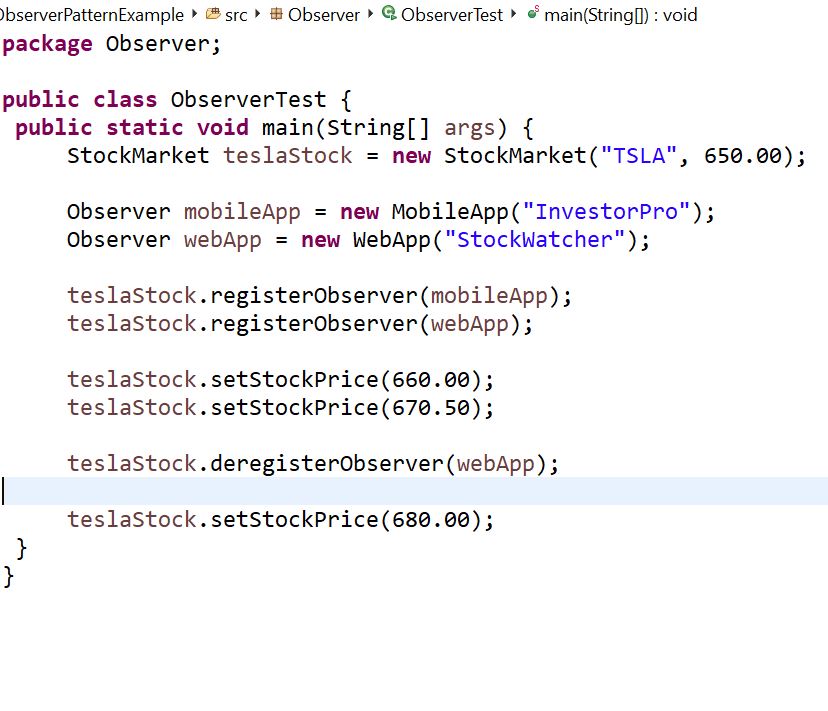
**Exercise 7: Implementing the Observer Pattern**



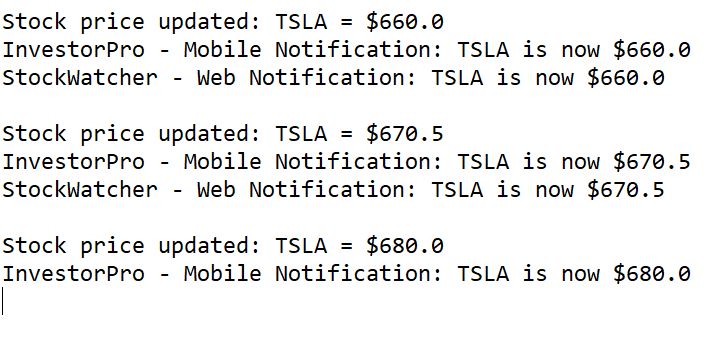




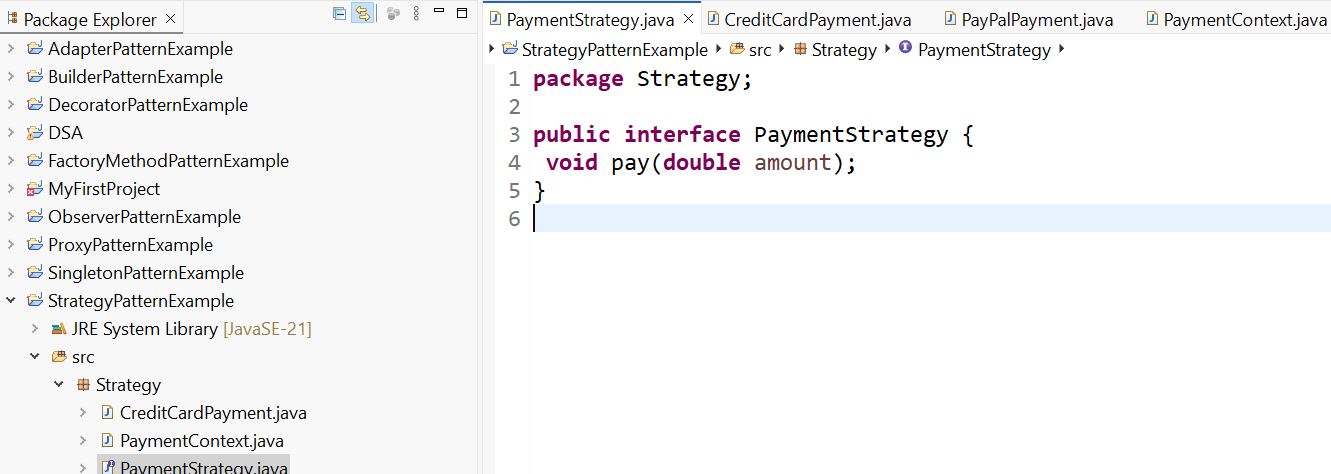


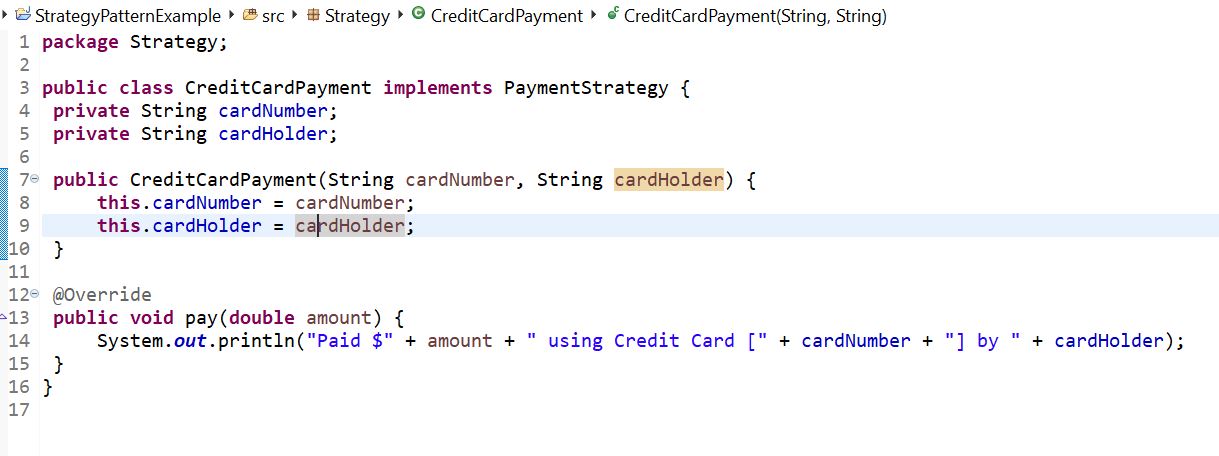


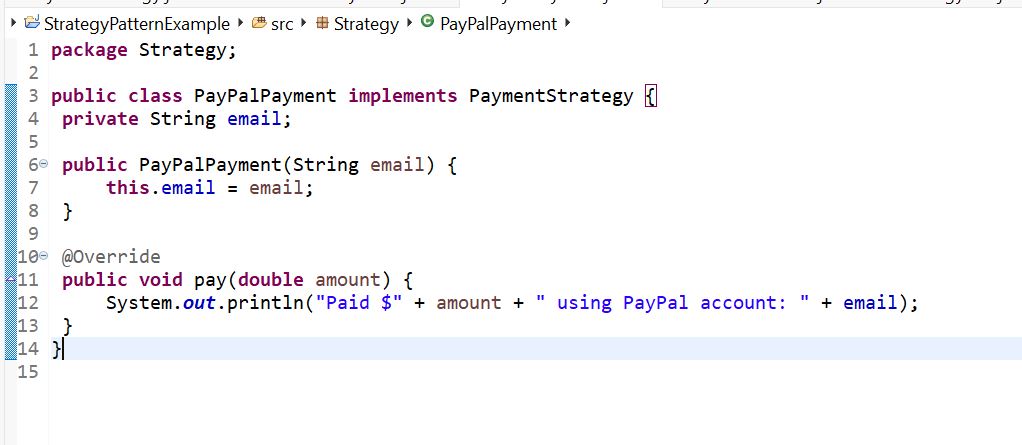
OUTPUT:

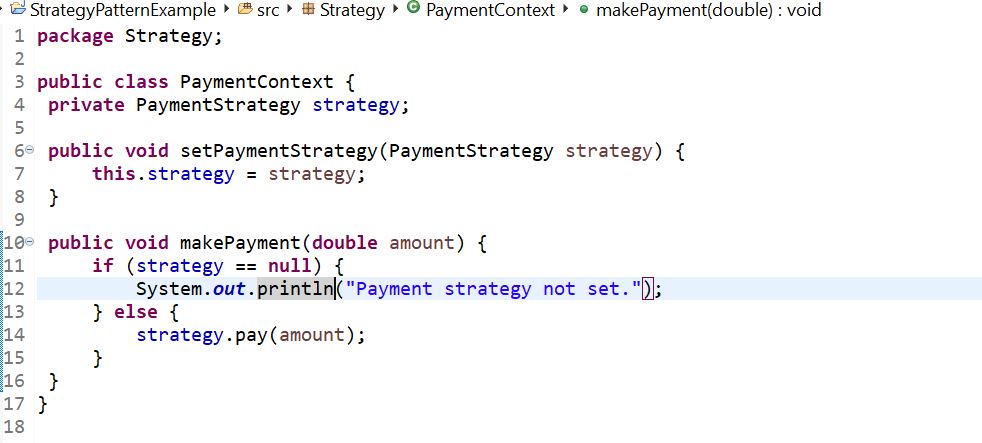


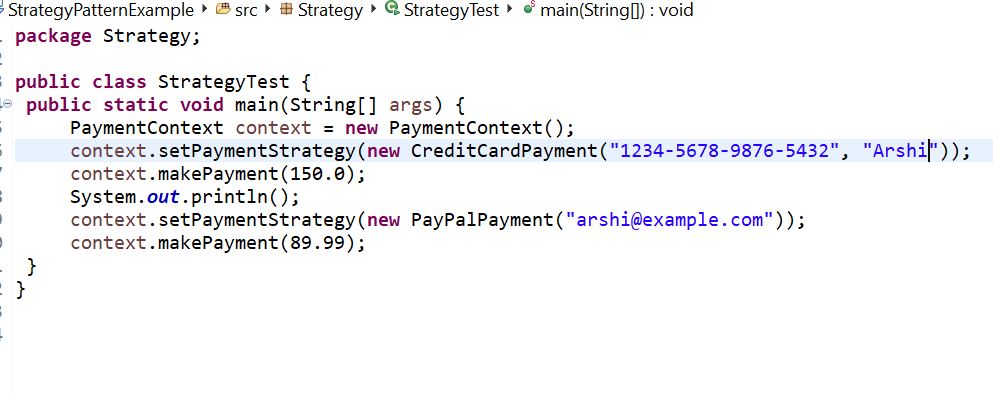
**Exercise 8: Implementing the Strategy Pattern**



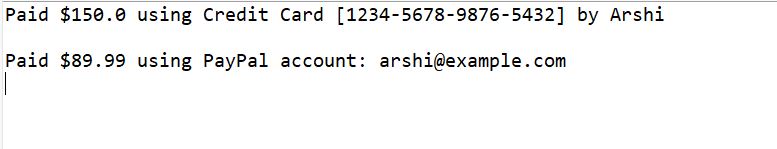




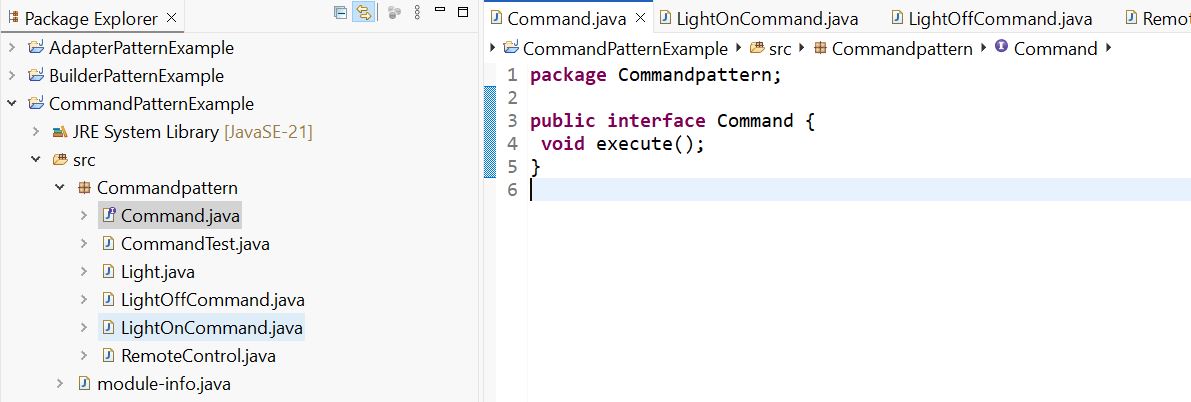




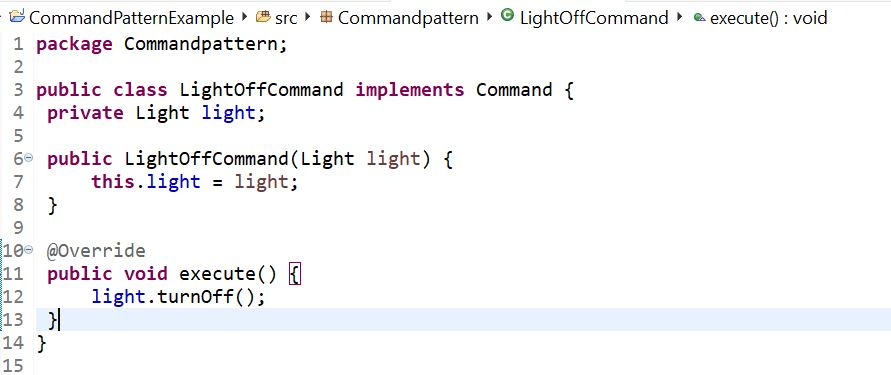
OUTPUT:

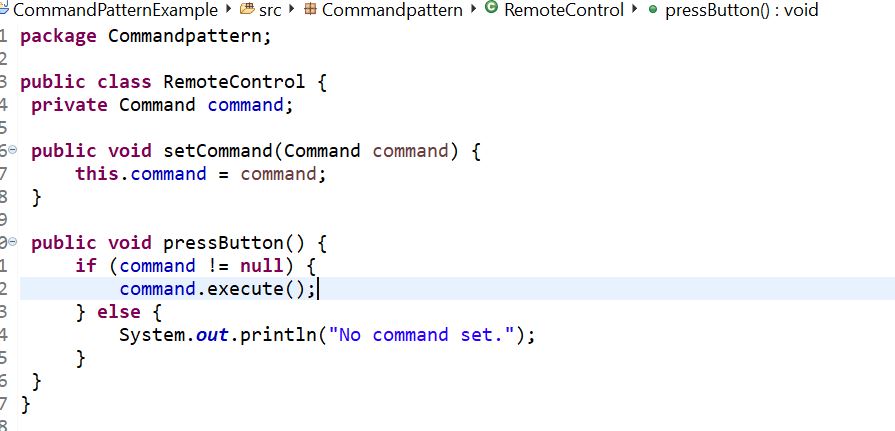


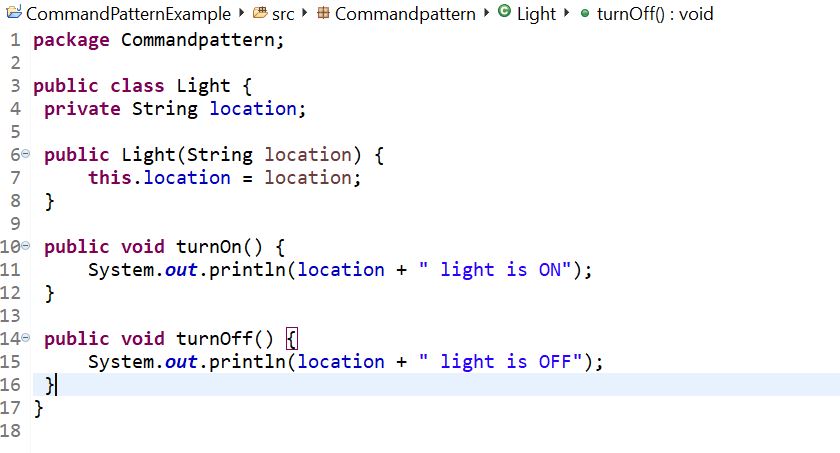
**Exercise 9: Implementing the Command Pattern**

****

****

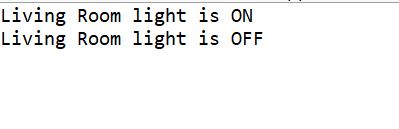
****

****

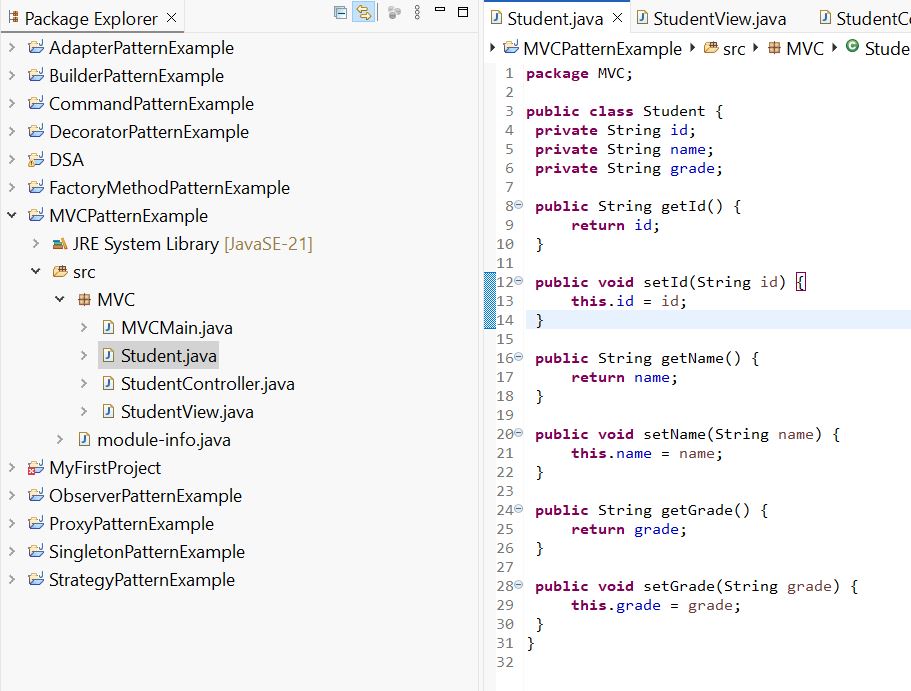
****

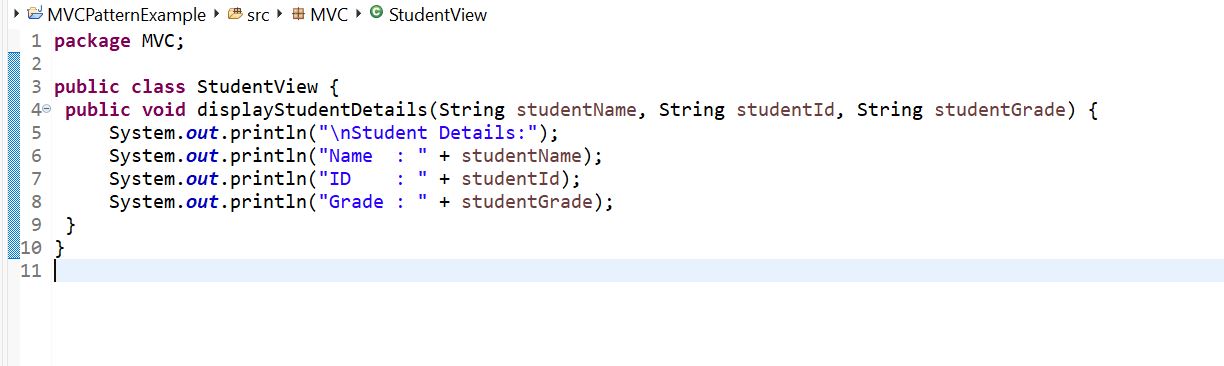
****

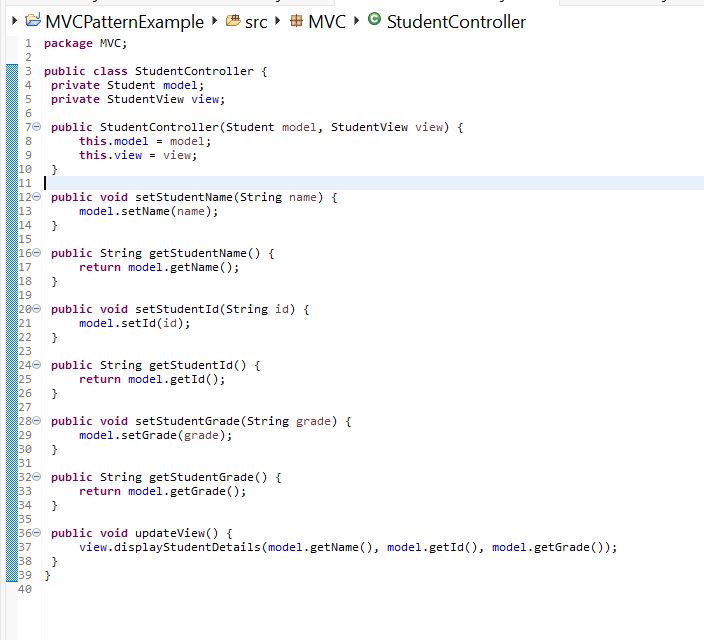
**OUTPUT:**

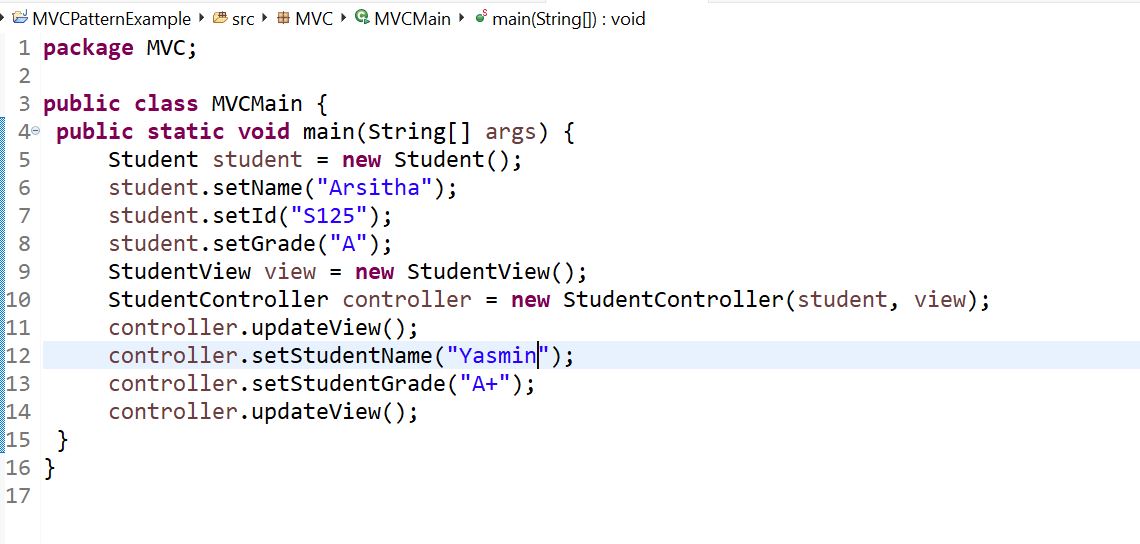
****

**Exercise 10: Implementing the MVC Pattern**

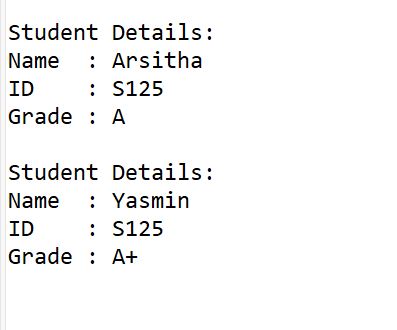




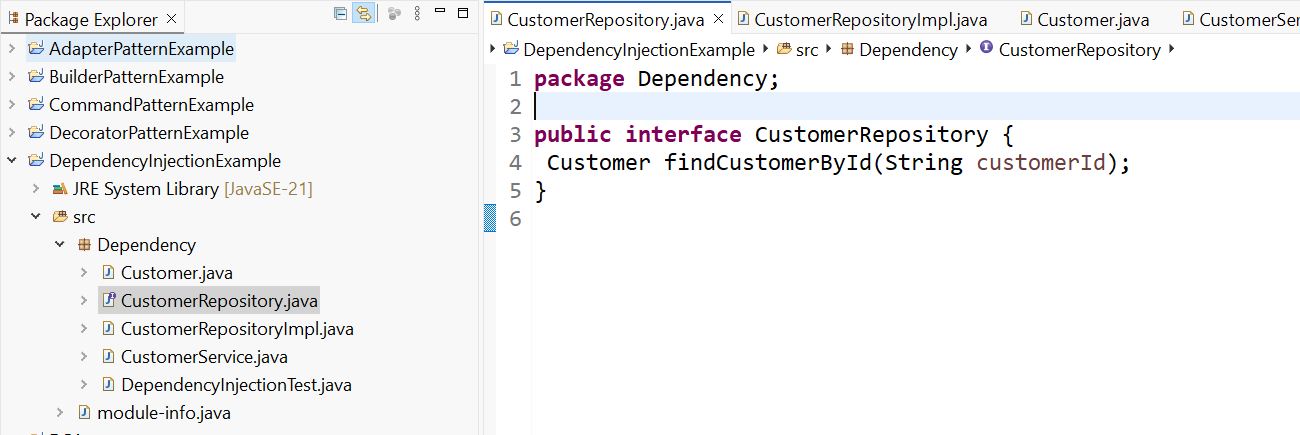


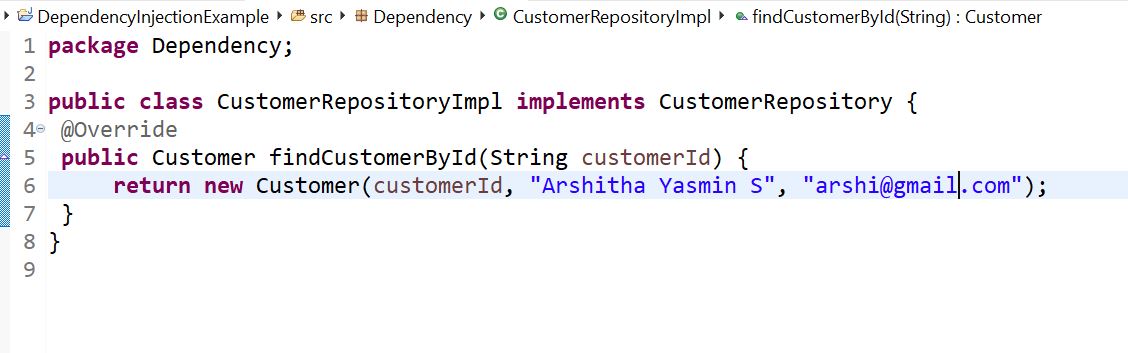


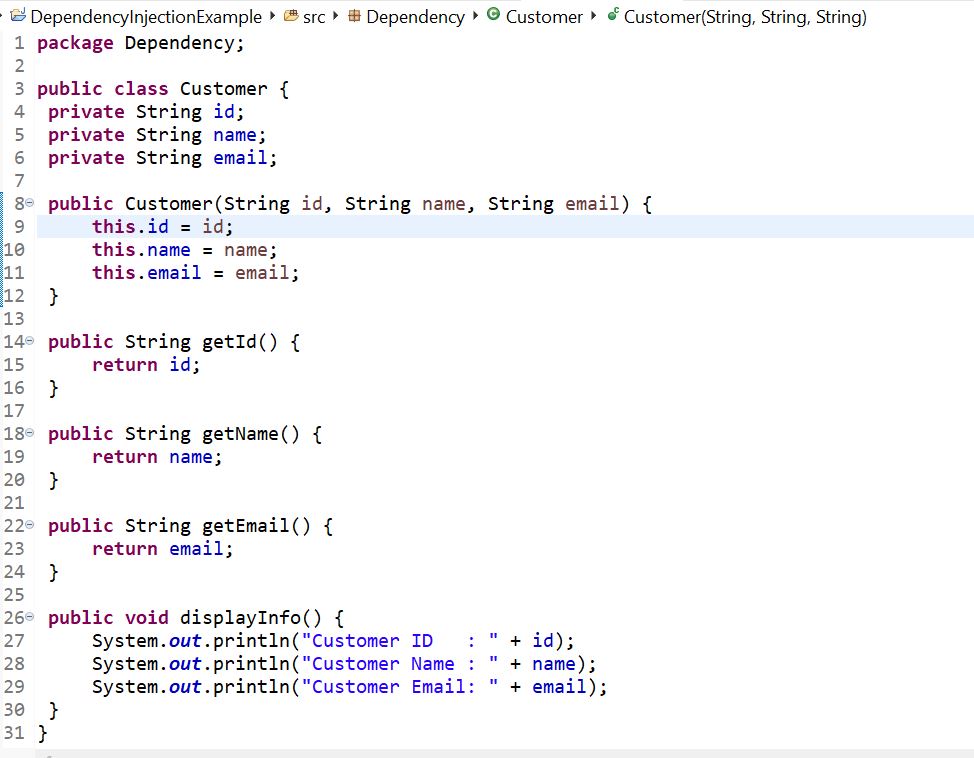
OUTPUT:

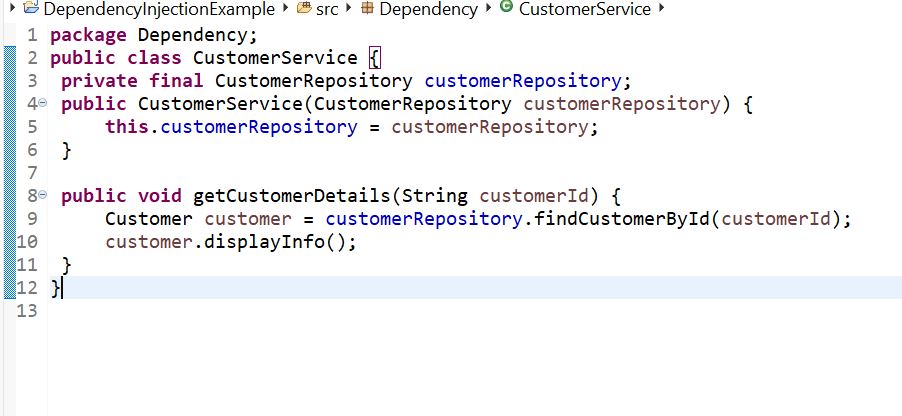


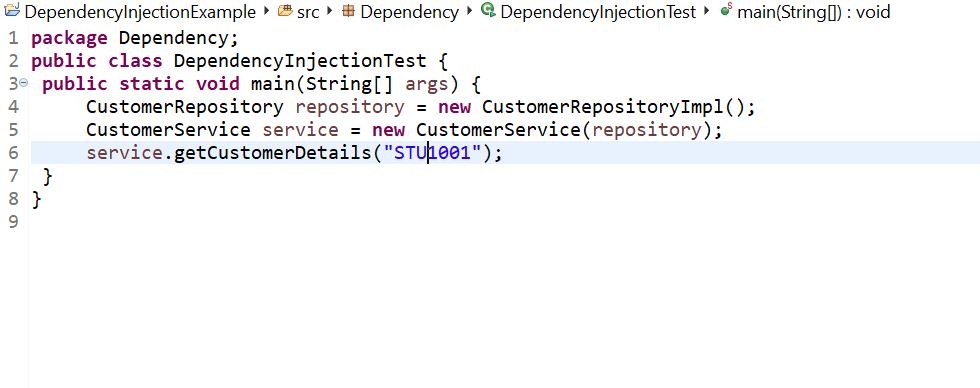
**Exercise 11: Implementing Dependency Injection**











OUTPUT:

