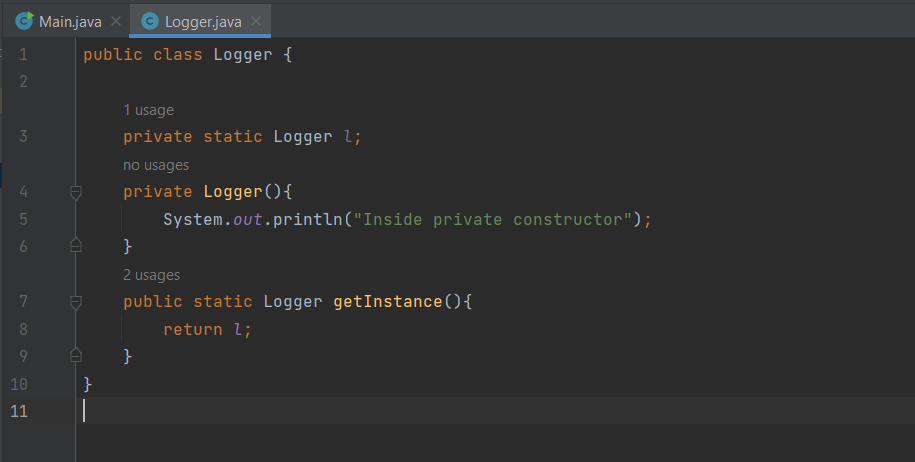
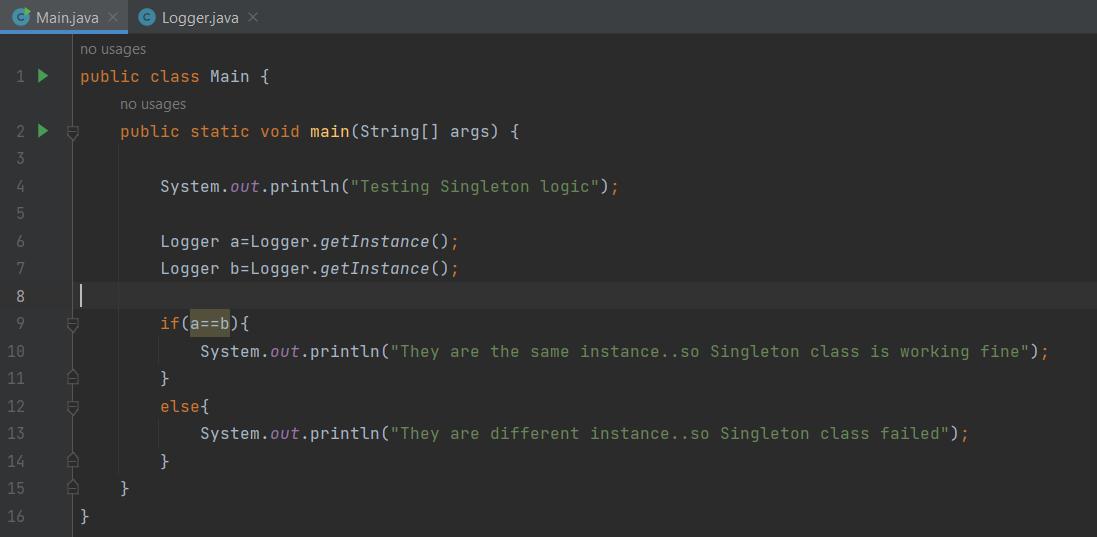
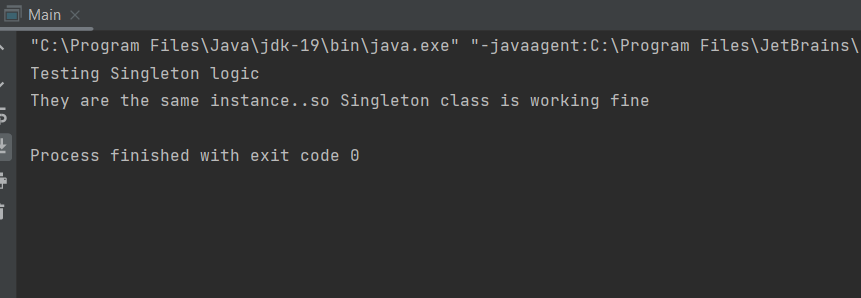
**Exercise 1: Implementing the Singleton Pattern**

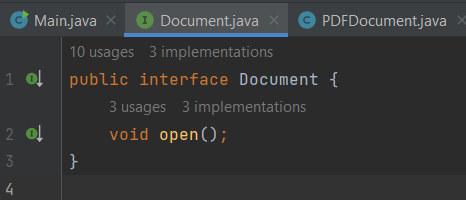


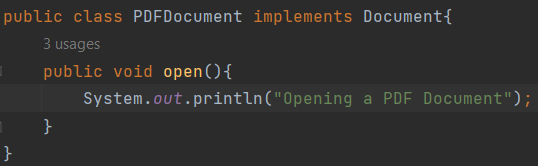


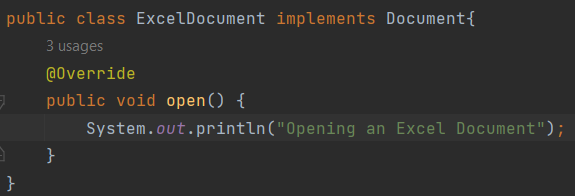
**Output:**

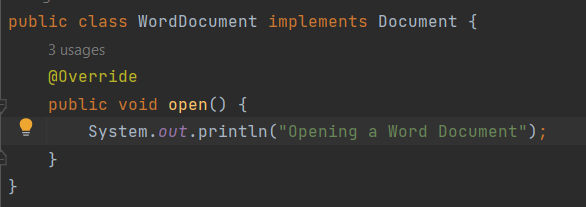


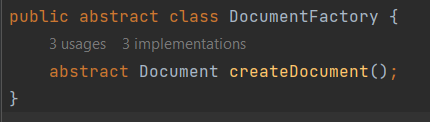
**Exercise 2: Implementing the Factory Method Pattern**

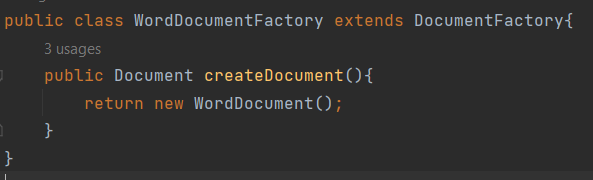


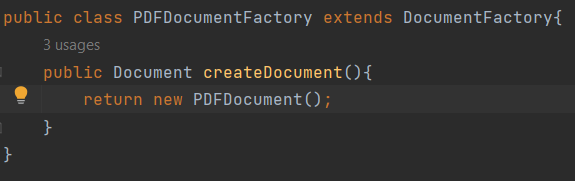


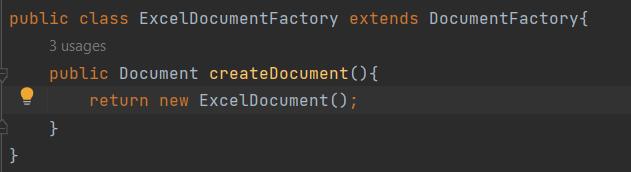


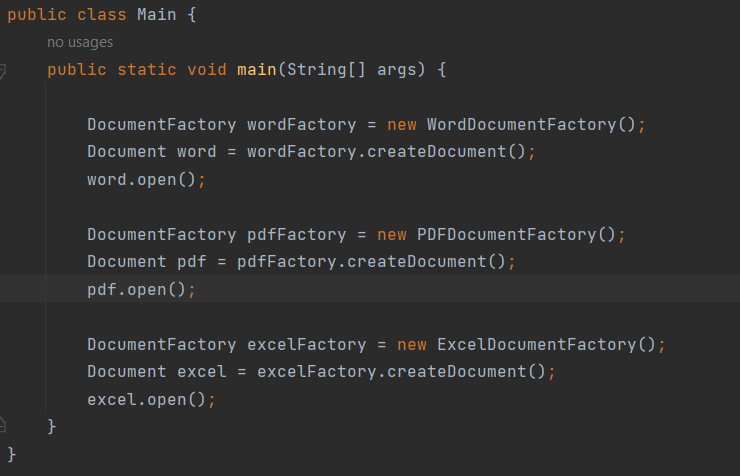




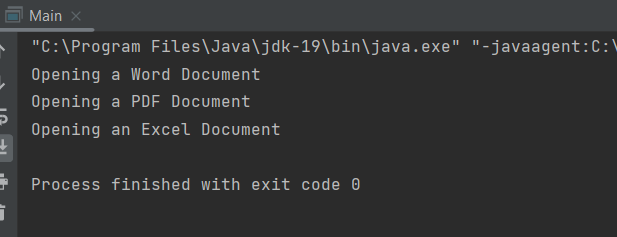




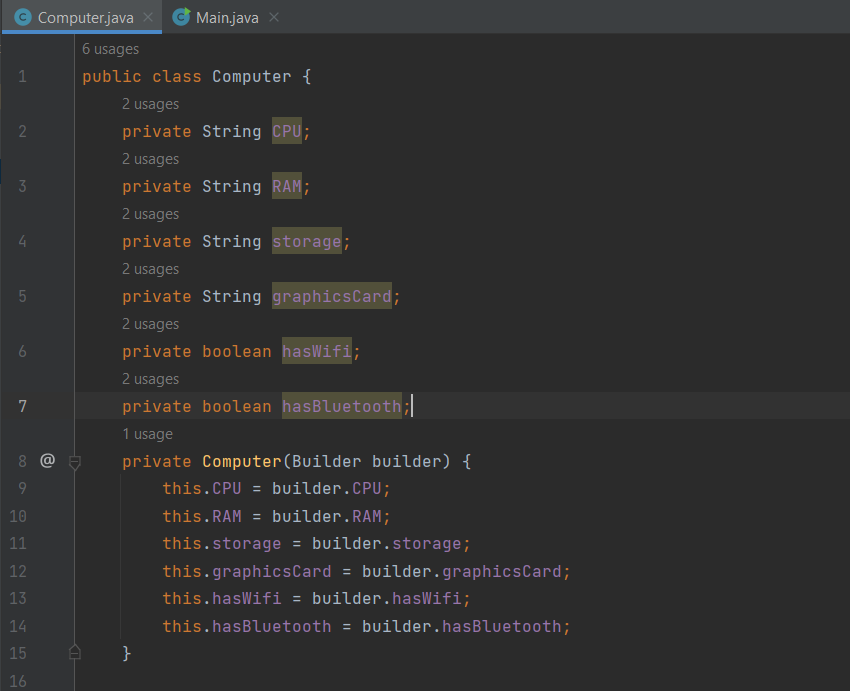


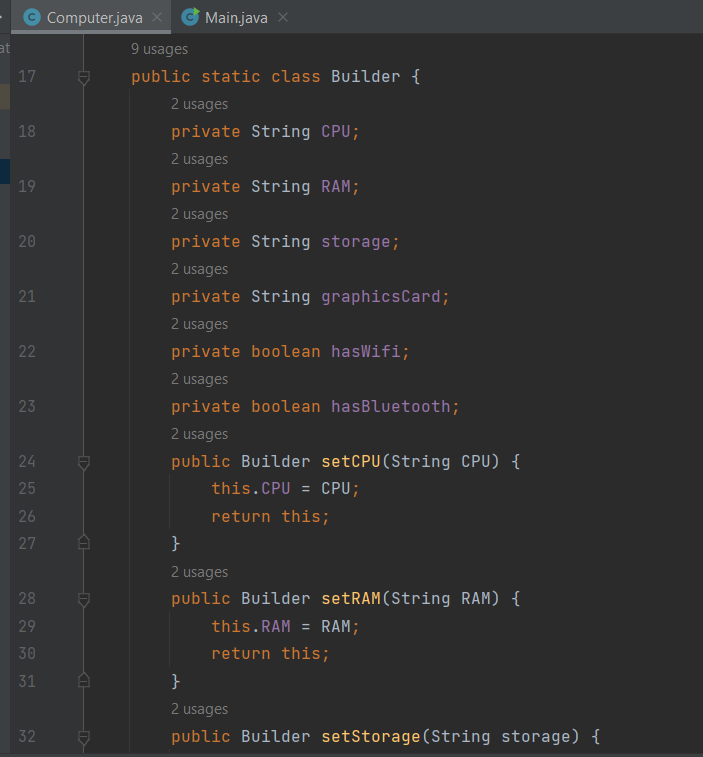


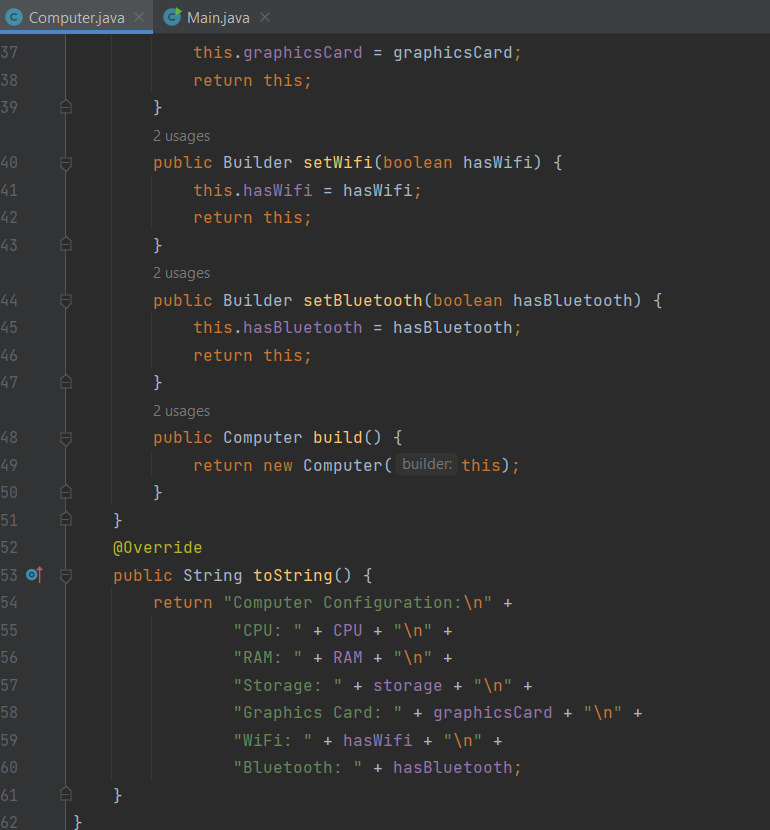
**Output:**

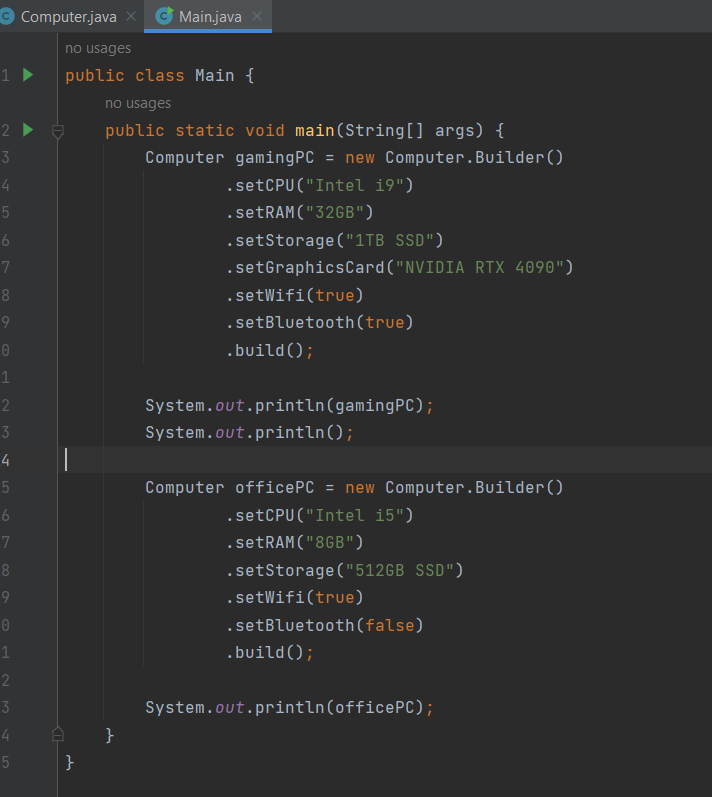


**Exercise 3: Implementing the Builder Pattern**

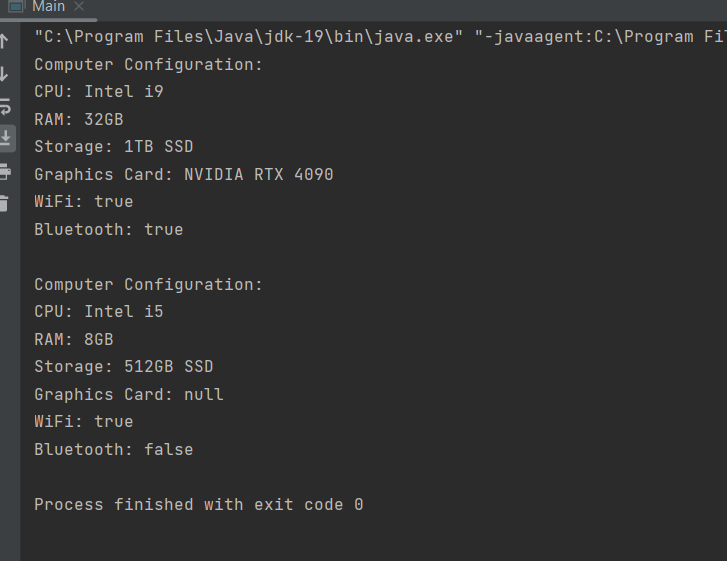




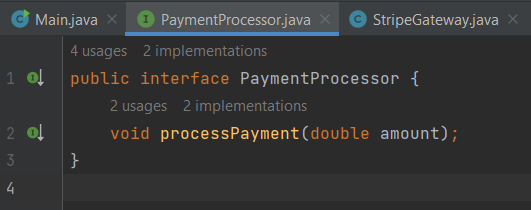


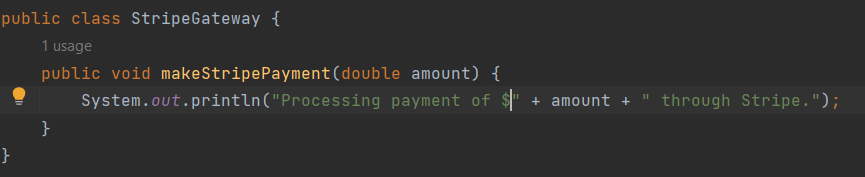


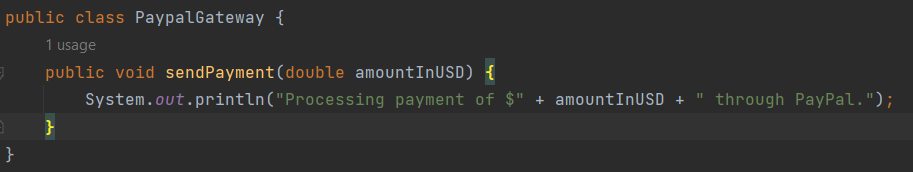
**Output:**



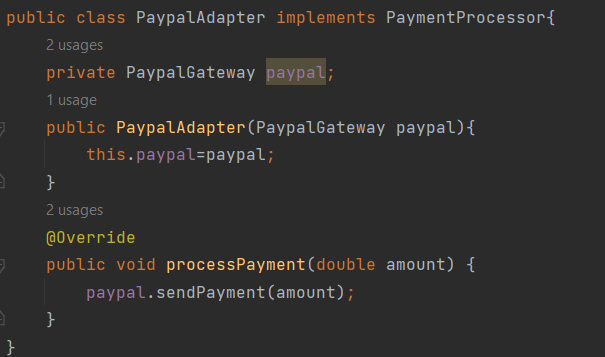
**Exercise 4: Implementing the Adapter Pattern**

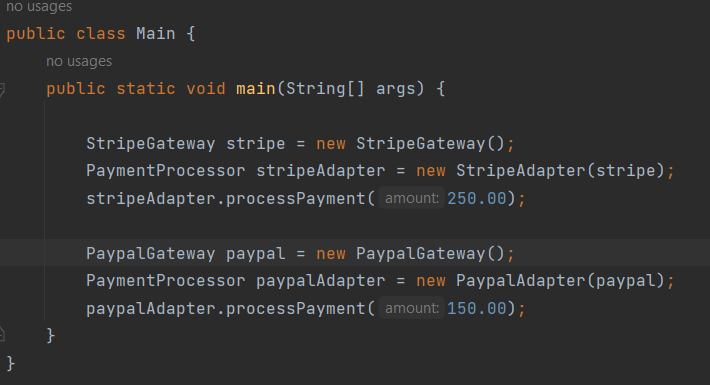




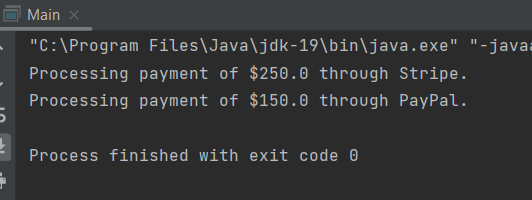




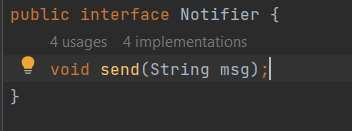


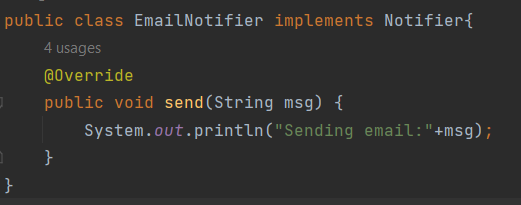


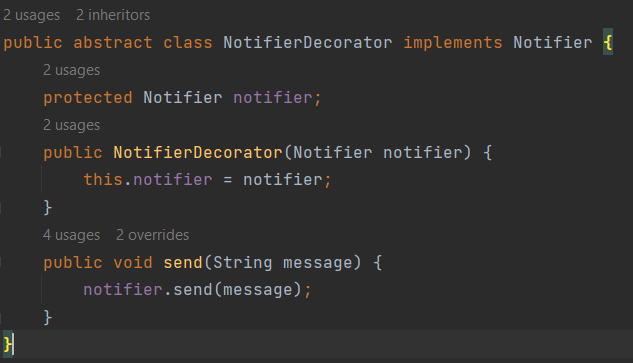
**Output:**

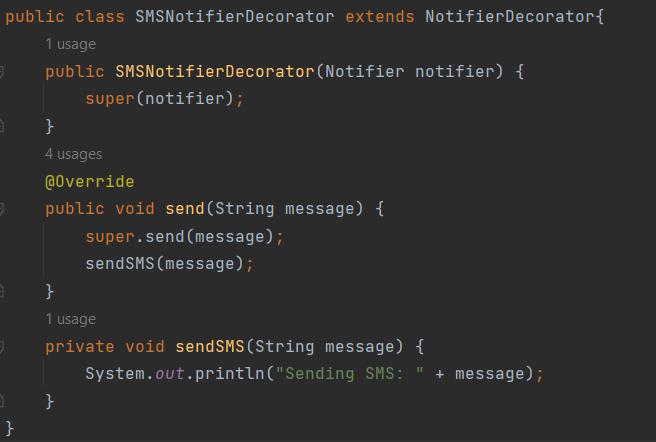


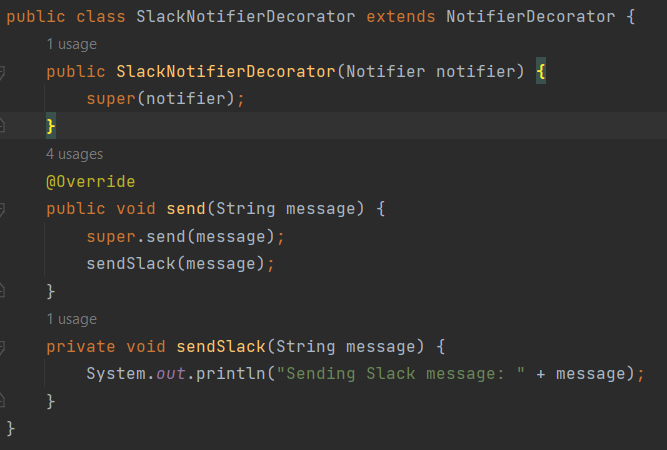
**Exercise 5: Implementing the Decorator Pattern**

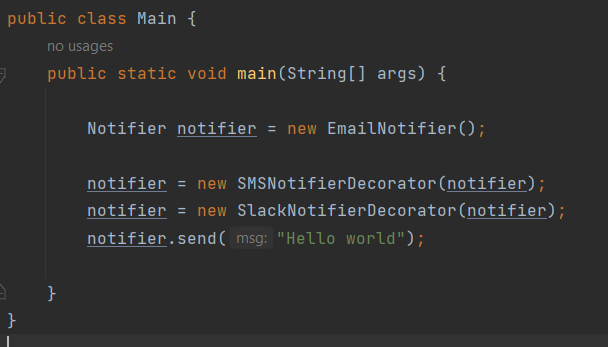




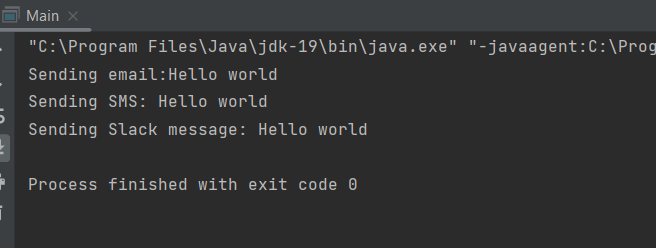






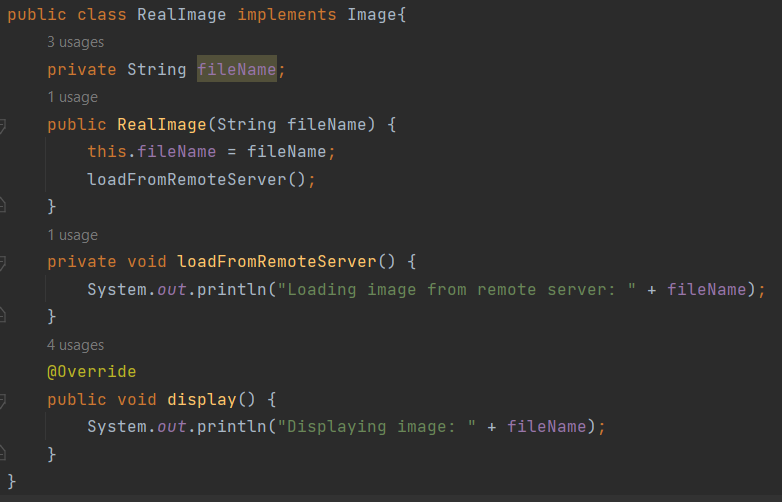


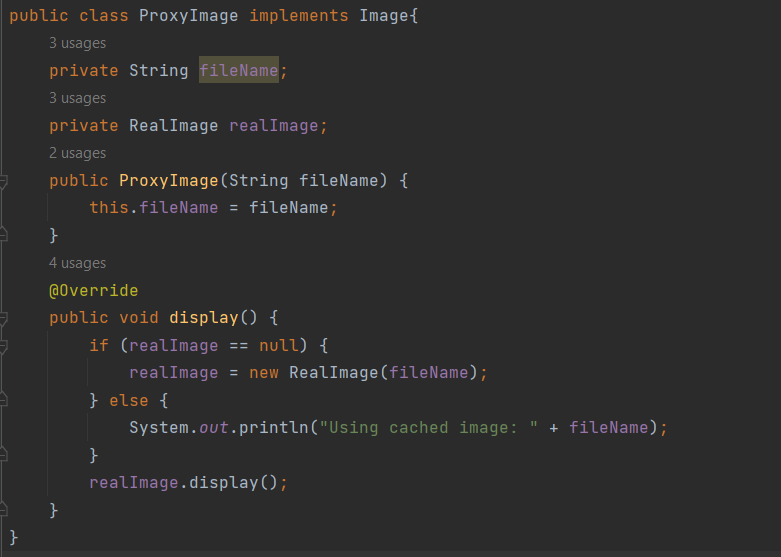
**Output:**

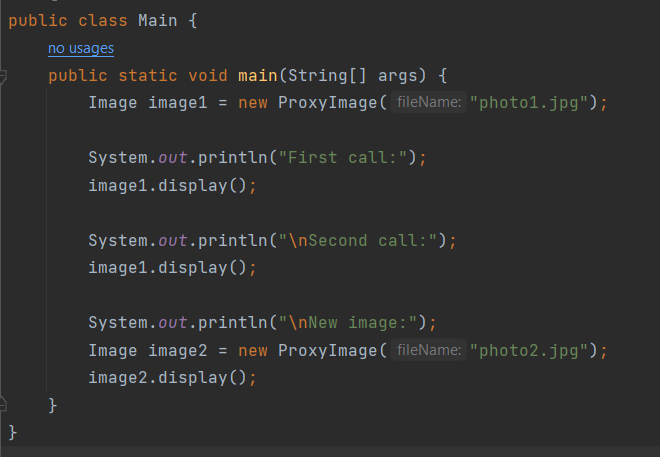


**Exercise 6: Implementing the Proxy Pattern**

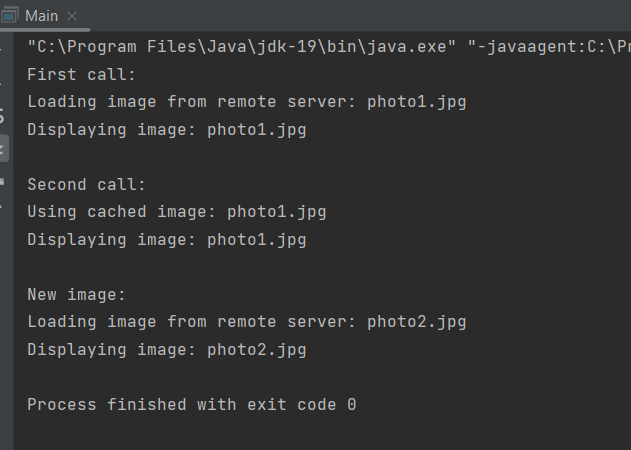




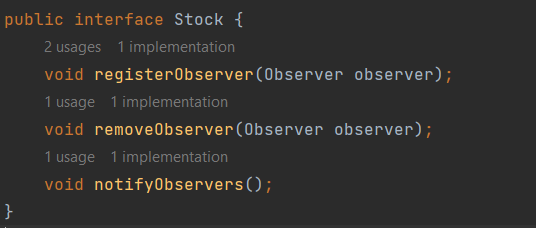


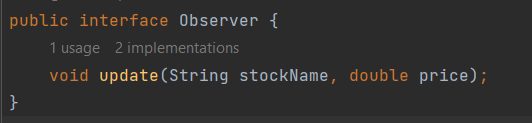


**Output:**

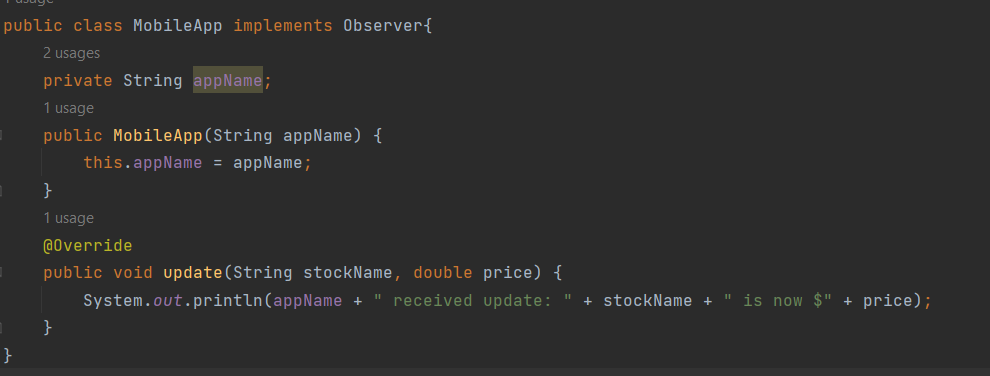


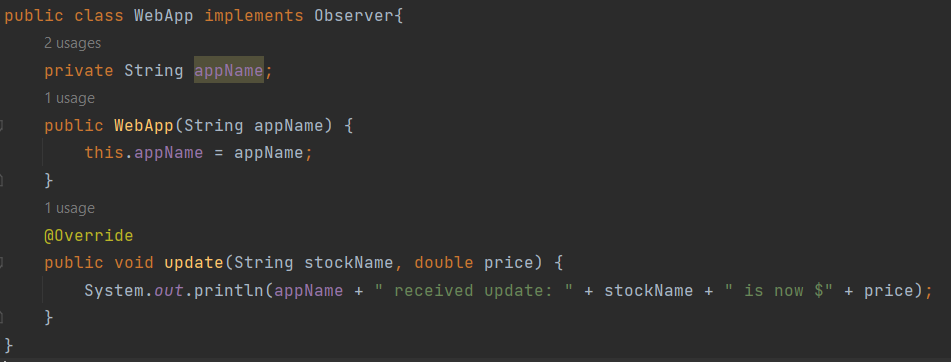
**Exercise 7: Implementing the Observer Pattern**

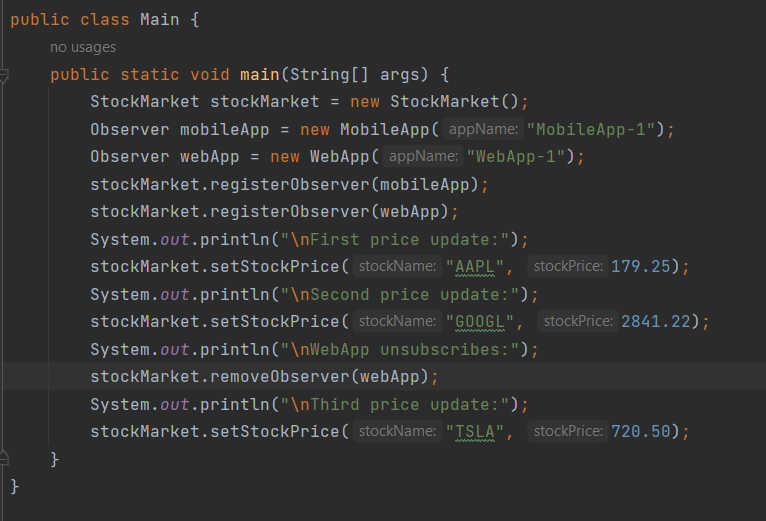












**Output:**

