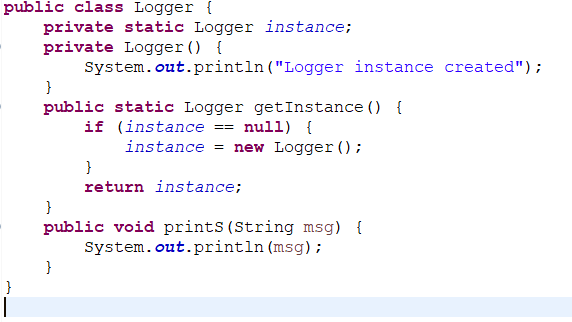
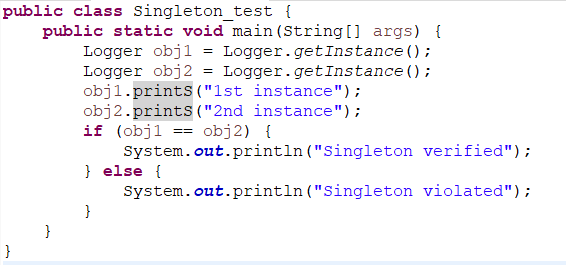
**Exercise 1: Implementing the Singleton Pattern**

**Solution:**

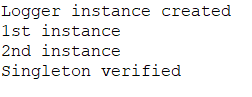
Logger Class:



Test Class:



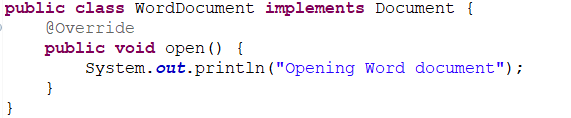
Output:

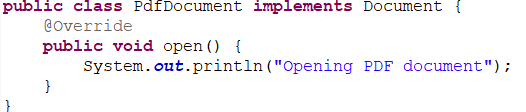


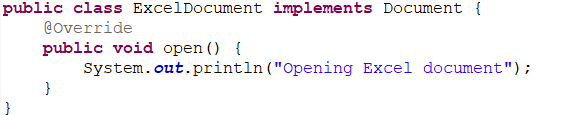
**Exercise 2: Implementing the Factory Method Pattern**

**Solution:**

Document Classes:



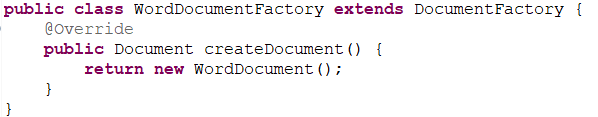


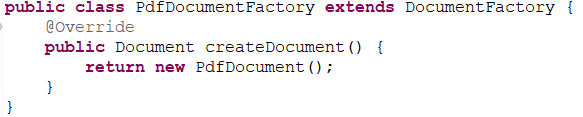


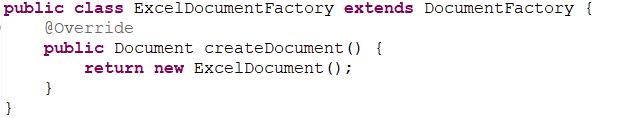


Concrete Factory Classes:

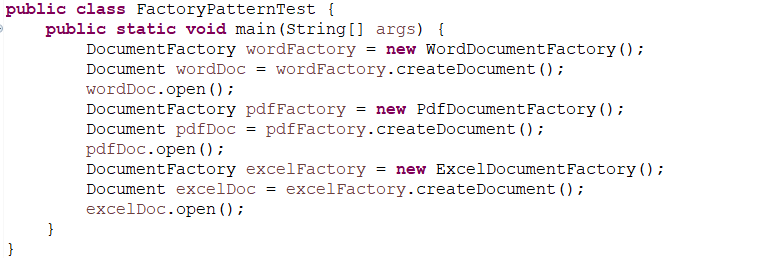








Test Class:



OUTPUT:

