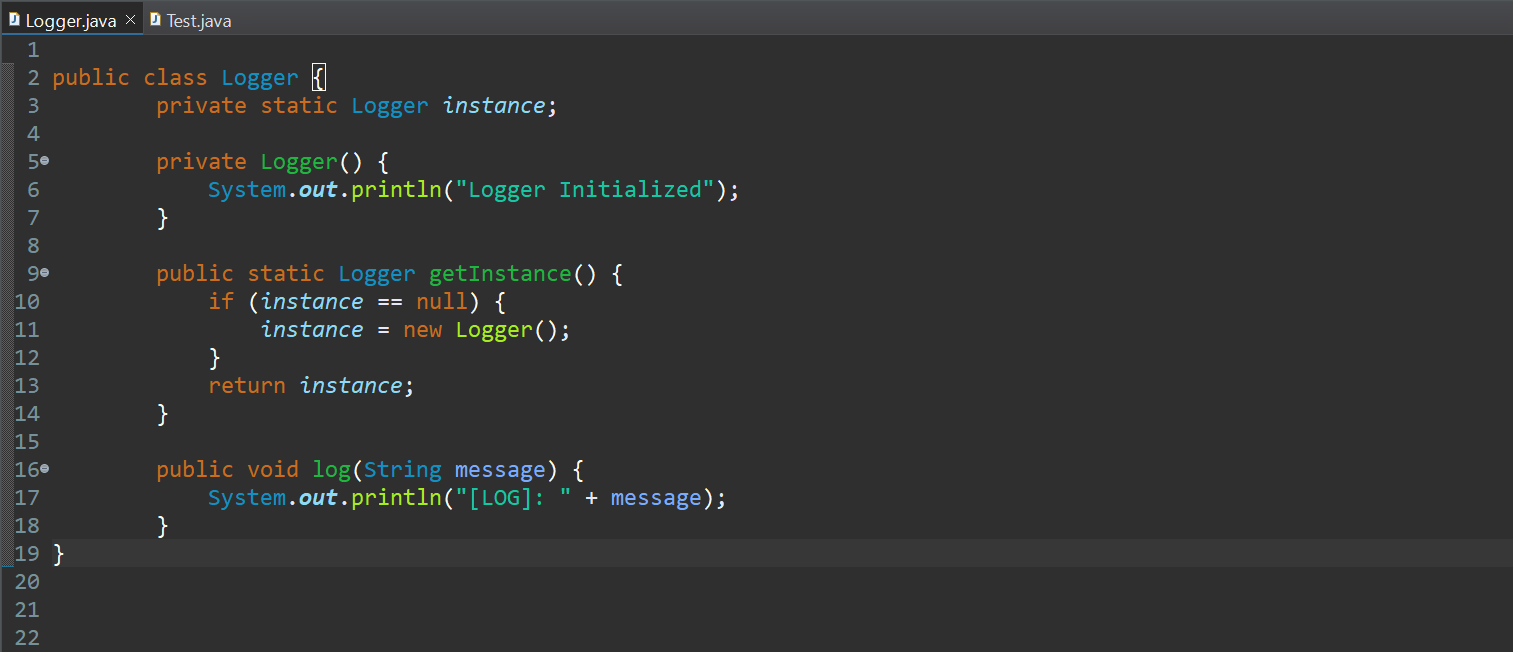
**WEEK 2 : DESIGN PATTERNS AND PRINCIPLES**

**Exercise 1: Implementing the Singleton Pattern**

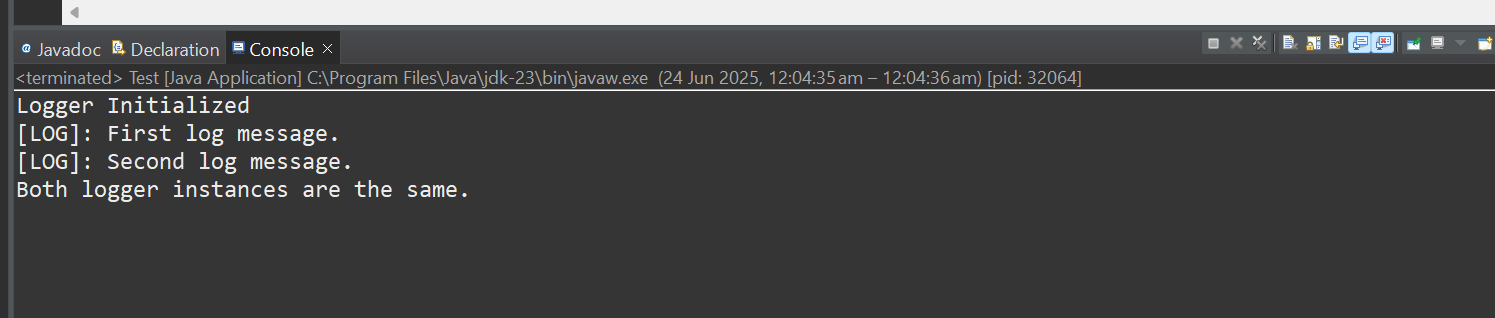
* **Code : Logger.java**

****

* **Code: Test.java**

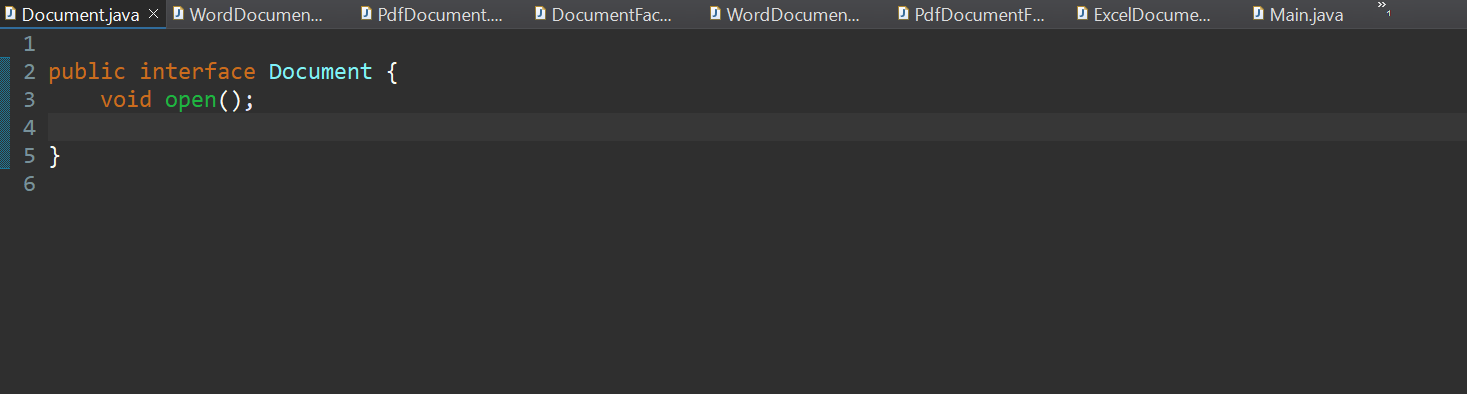


* **Output:**

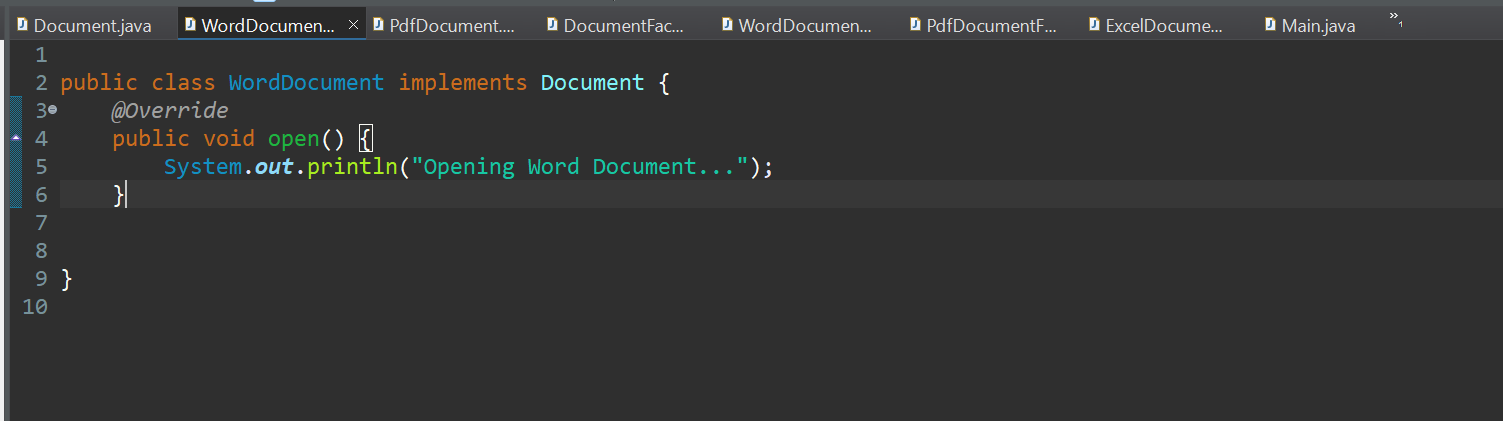
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**Exercise 2: Implementing the Factory Method Pattern:**

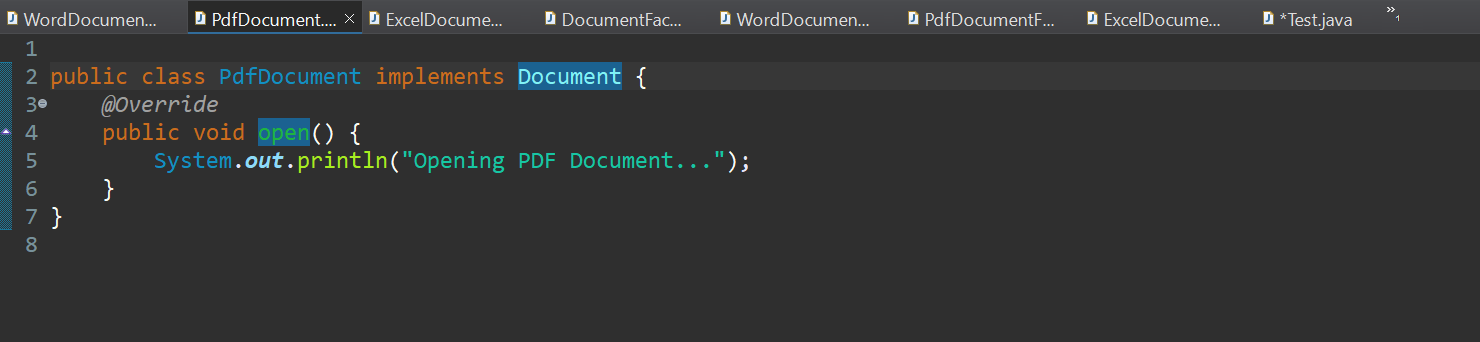
* **Code: Document.java**

****

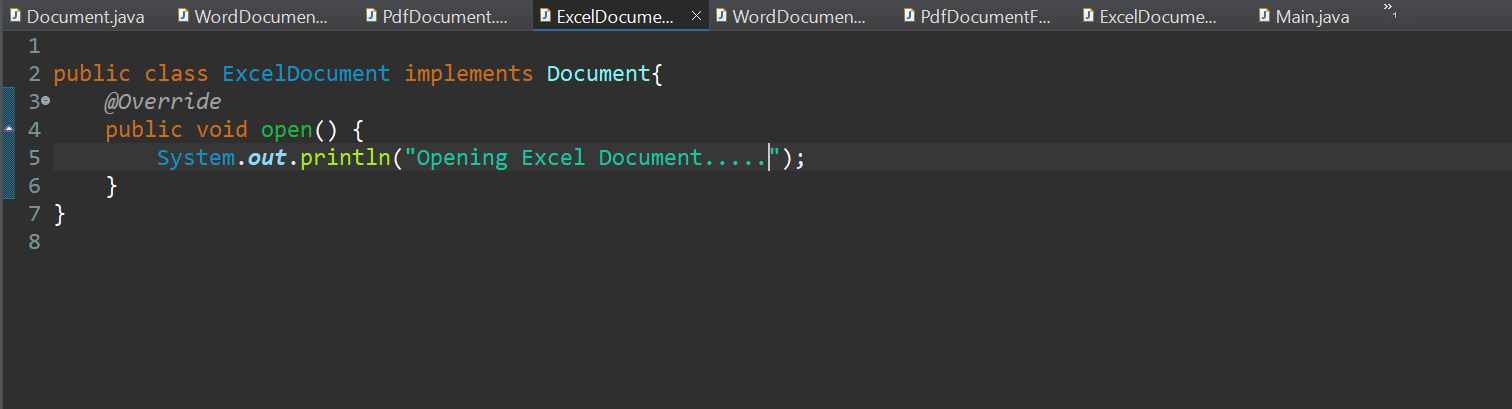
* **Code: WordDocument.java**

****

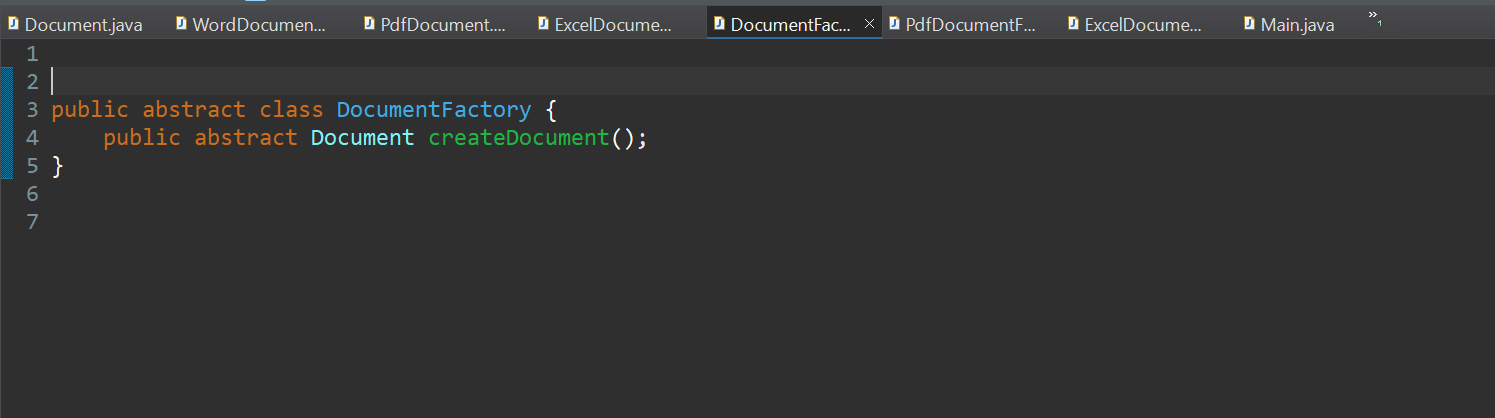
* **Code: PdfDocument.java**

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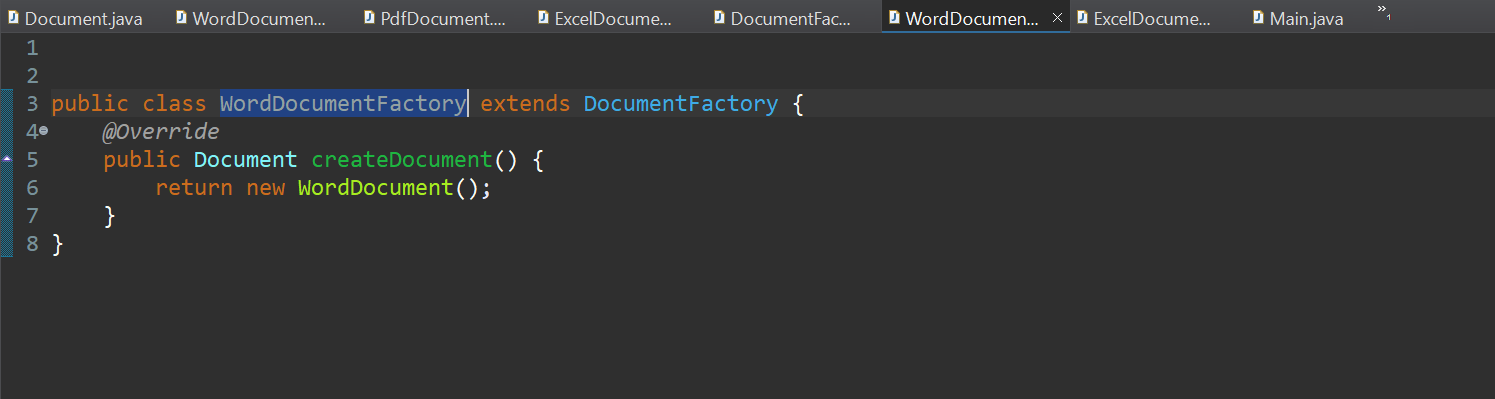
* **Code: ExcelDocument.java**

****

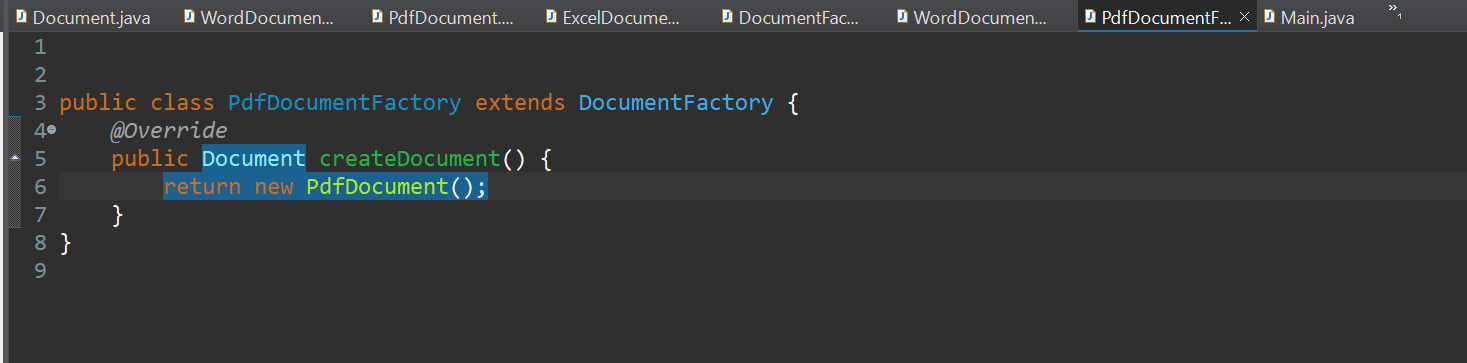
* **Code: DocumentFactory.java**



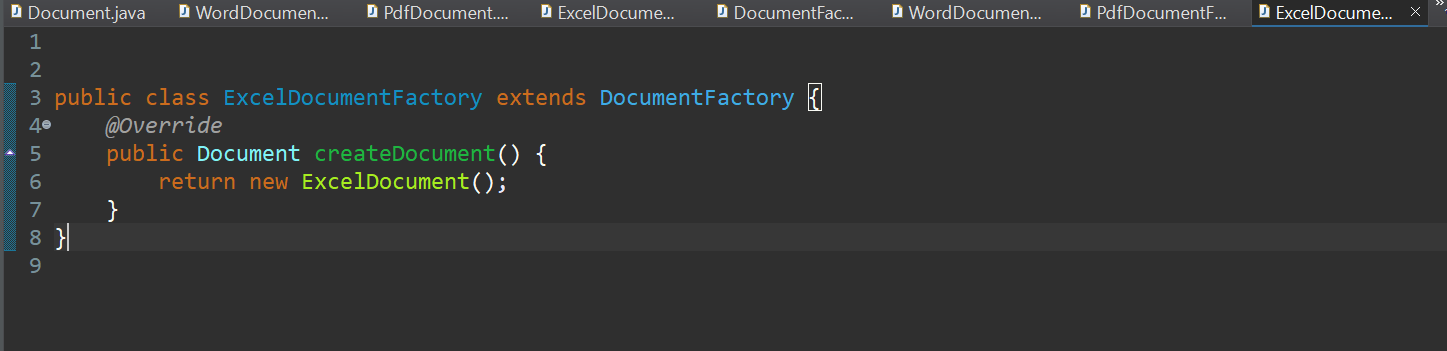
* **Code: WordDocumentFactory.java**

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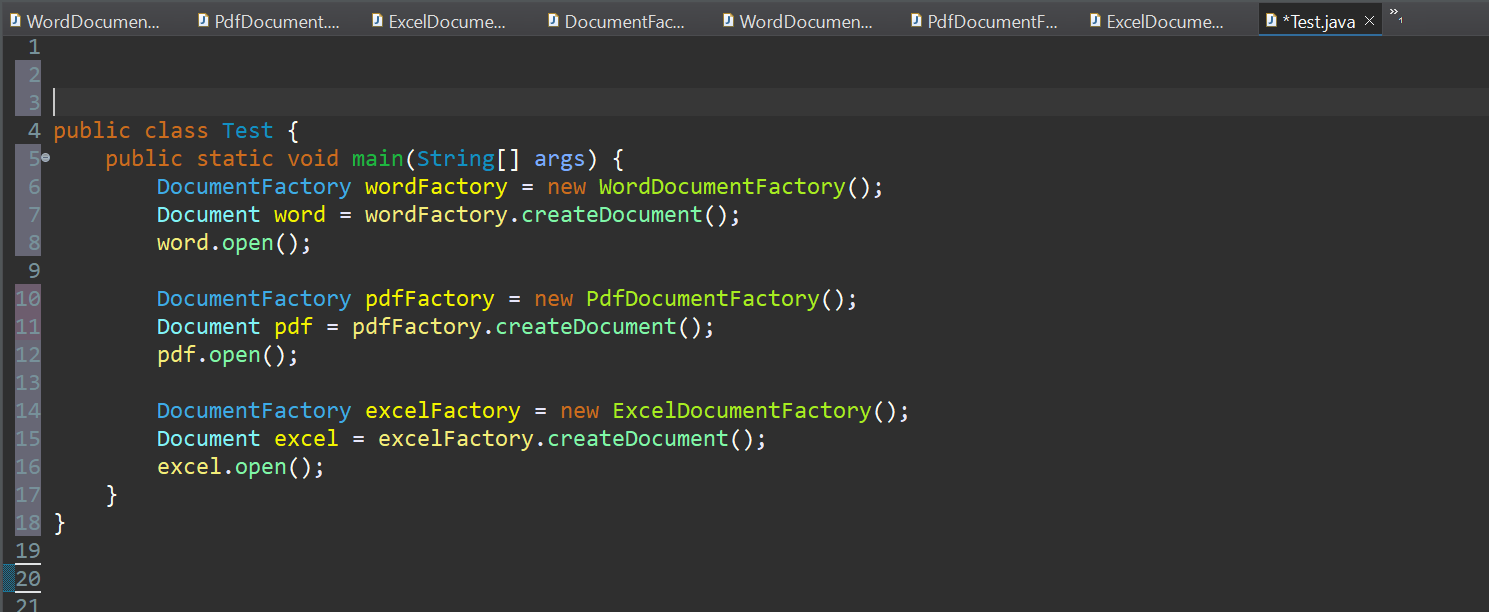
* **Code: PdfDocumentFactory.java**

****

* **Code: ExcelDocumentFactory.java**

****

* **Code: Test.java**

****

* **OUTPUT:**

