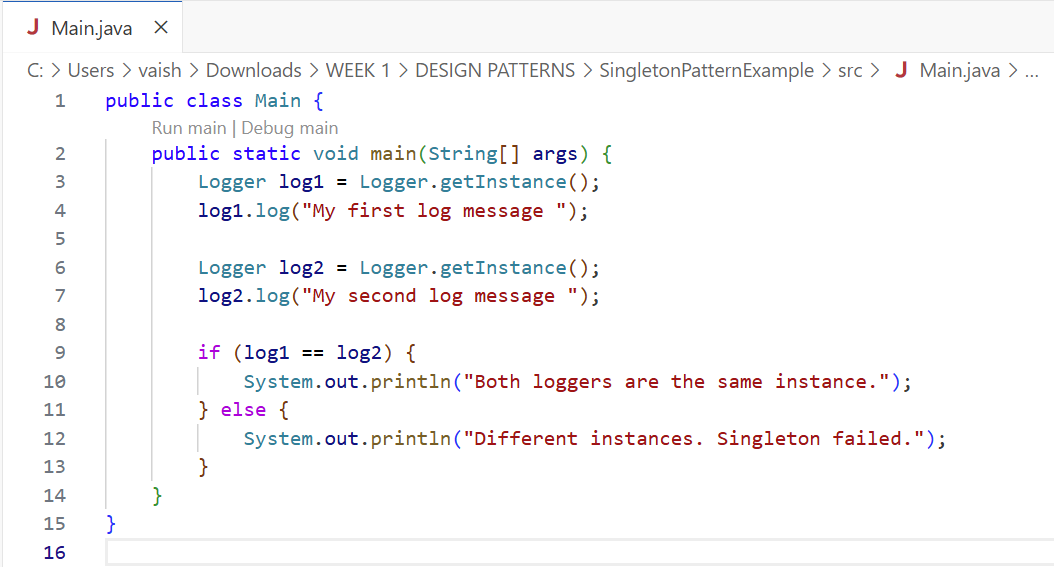
**DESIGN PATTERNS AND PRINCIPLES**

**Exercise 1: Implementing the Singleton Pattern:**

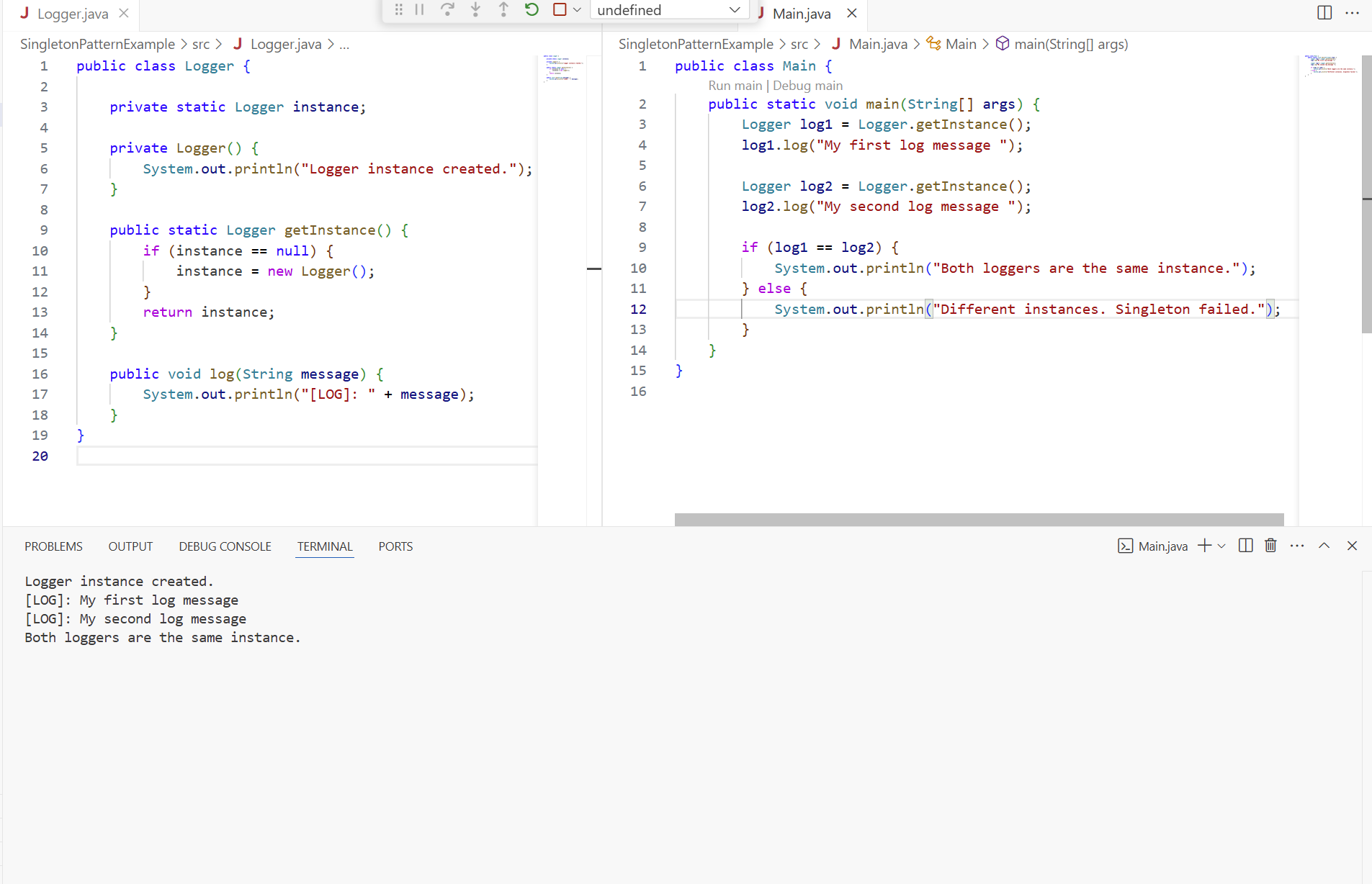
**Main.java:**

****

**Logger.java:**

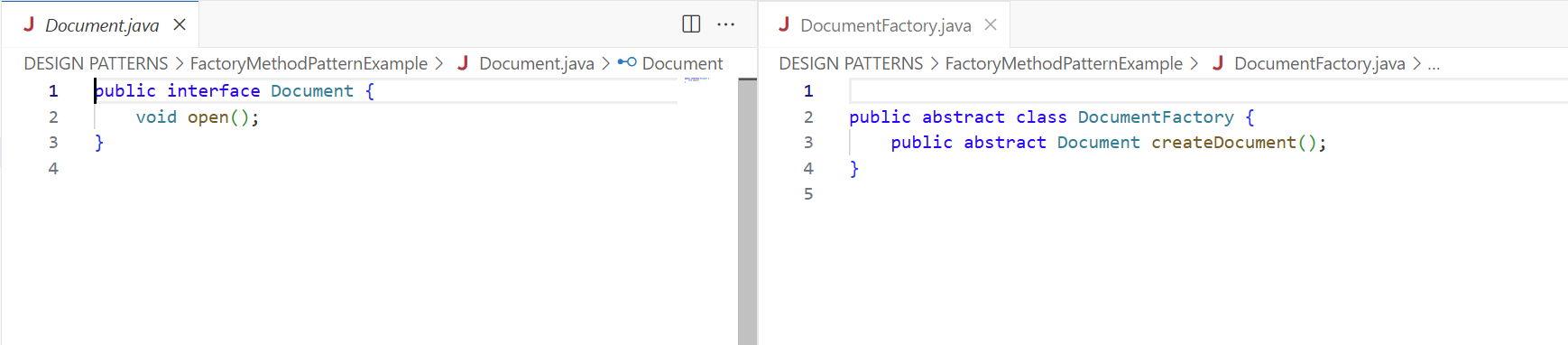
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**OUTPUT:**

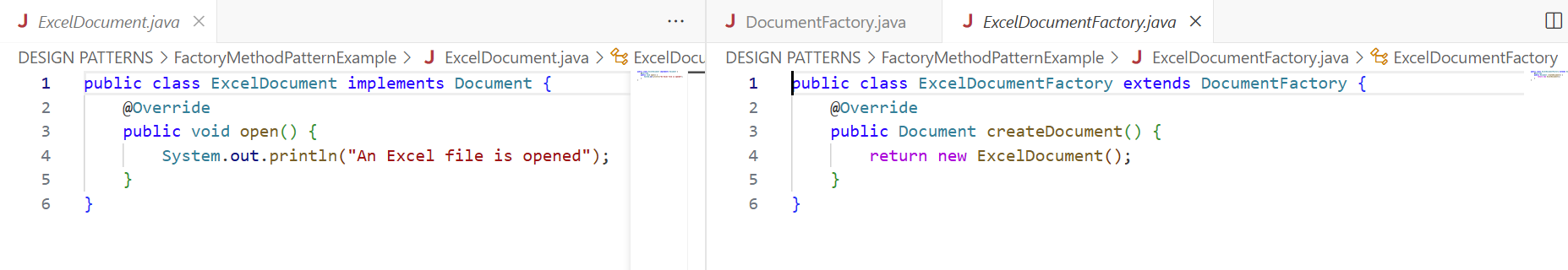


**Exercise 2: Implementing the Factory Method Pattern:**

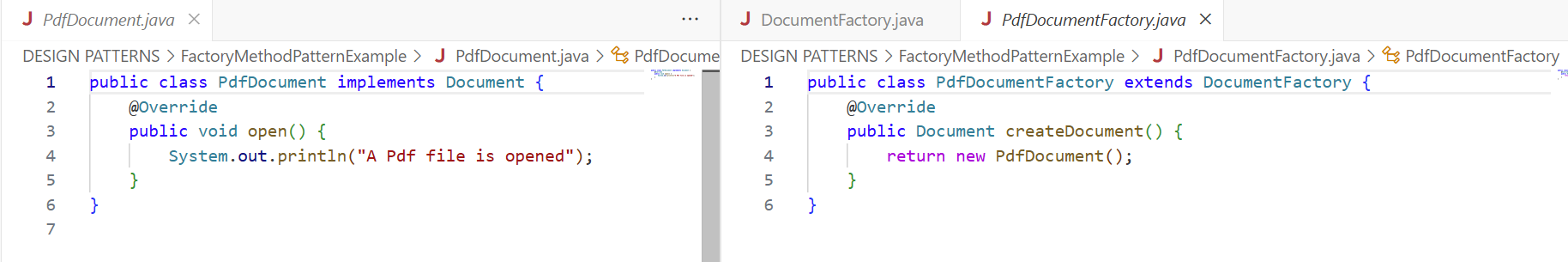
**Document.java, DocumentFactory.java:**

****

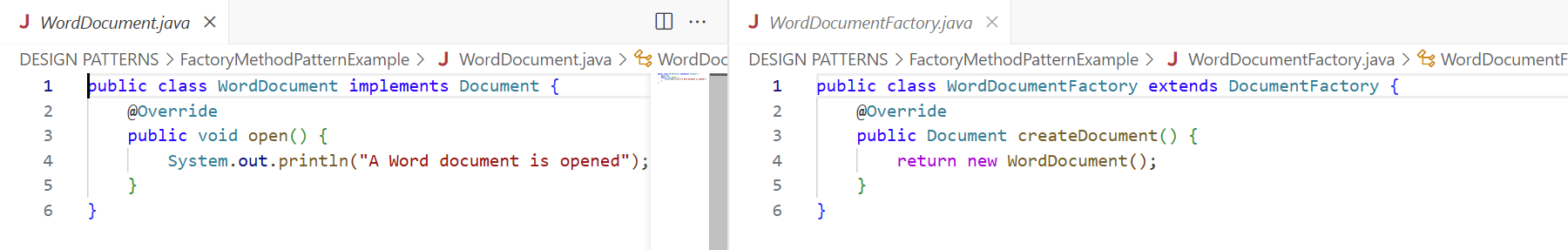
**ExcelDocument.java, ExcelDocumentFactory.java:**

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**PdfDocument.java, PdfDocumentFactory.java:**

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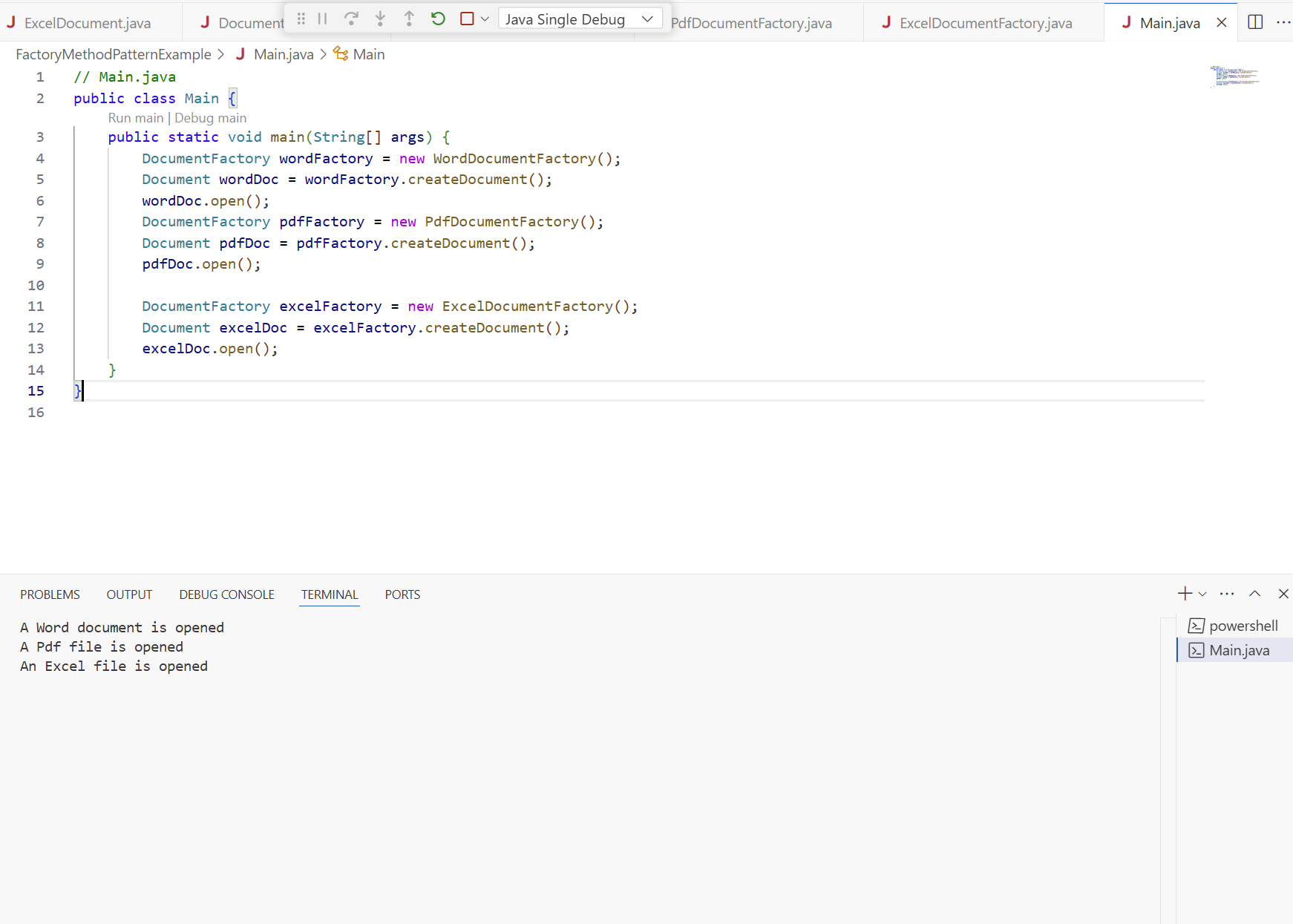
**WordDocument.java, WordDocumentFactory.java:**

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**Main.java:**

****

**OUTPUT:**

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