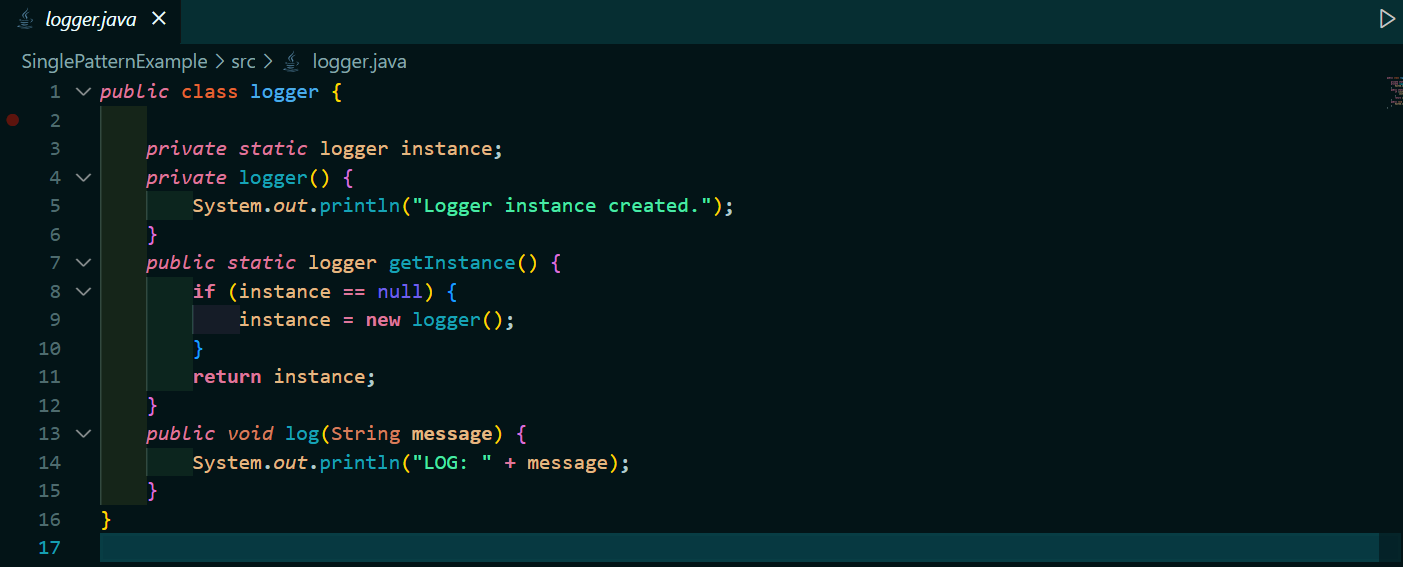
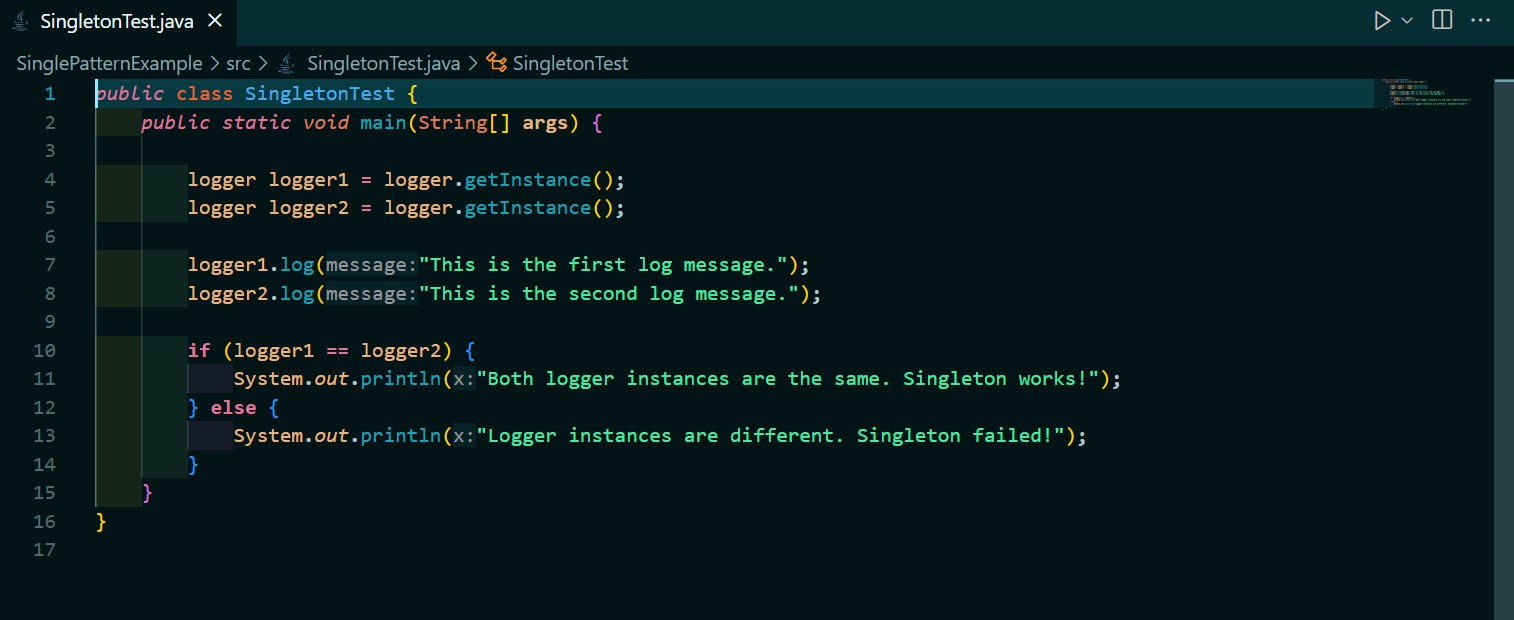
**WEEK-1**

**Solutions of Design Principles and Patterns**

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

**Code:**

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****

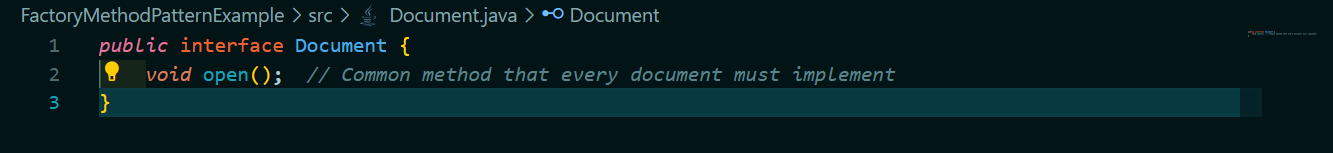
**Output:**

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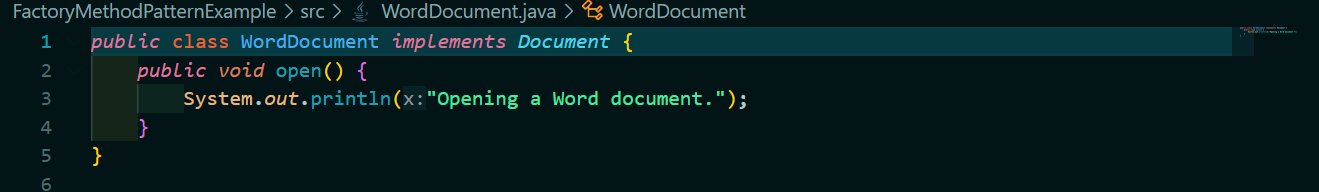
**Exercise 2: Implementing the Factory Method Pattern**

**Code:**

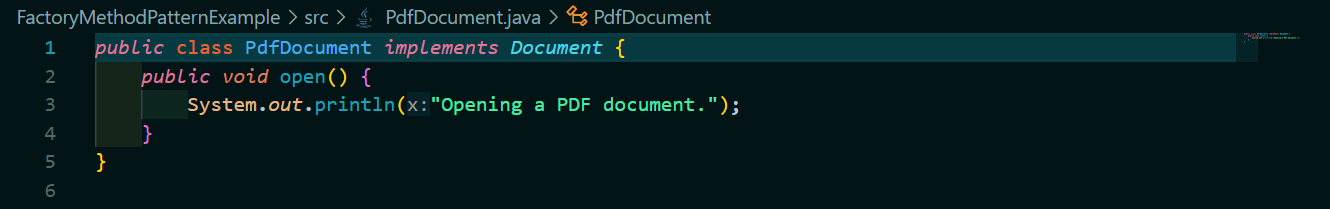
**>Document Interface**

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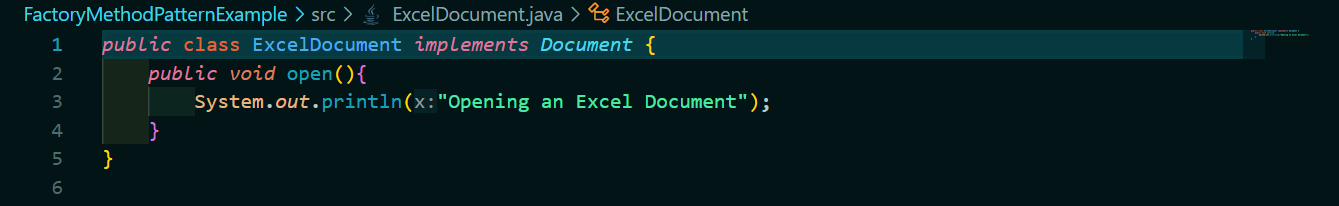
**>Word Document**

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**>PDF Document**

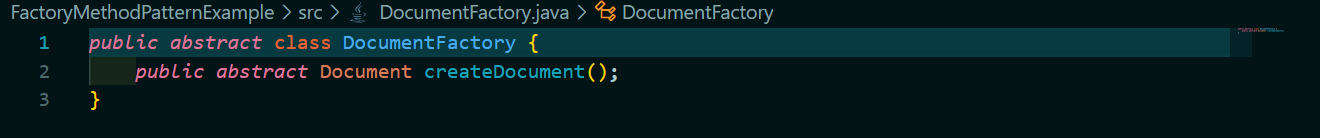
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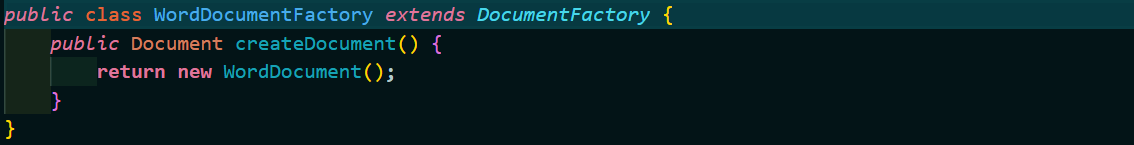
**>Excel Document**

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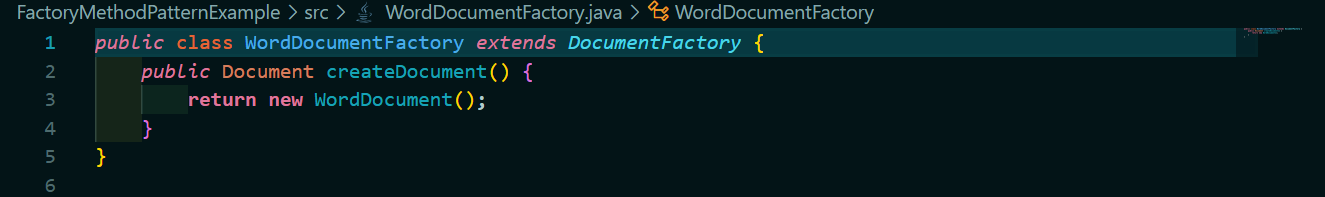
**#Implementing Factory Methods**

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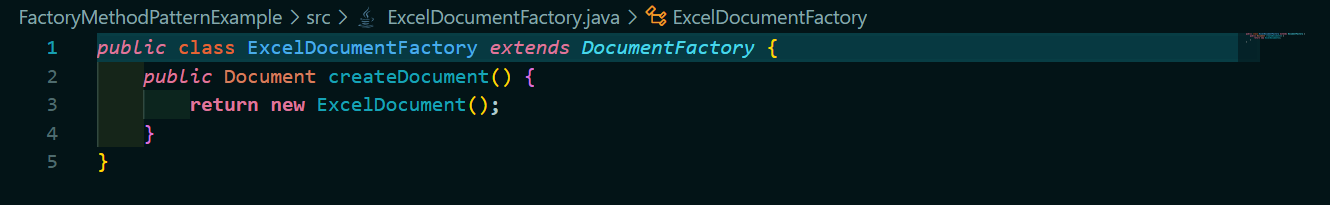
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**>Word Document Factory**

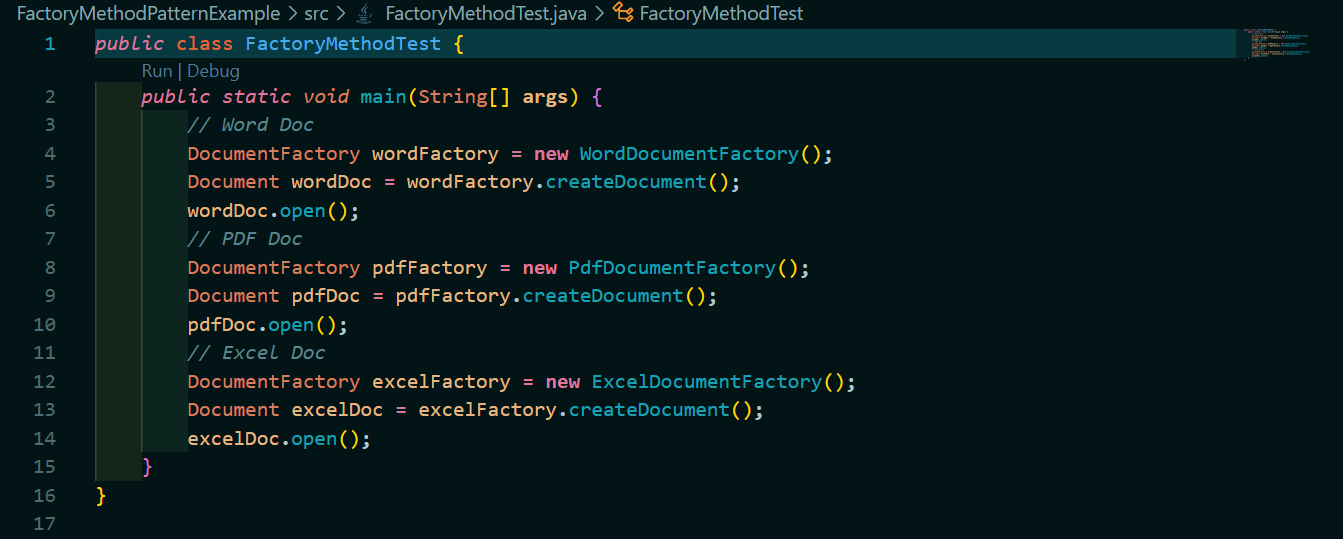
**>PDF Document Factory**

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**>Excel Document Factory**

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**#Testing the Factory Method**

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**Output:**

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