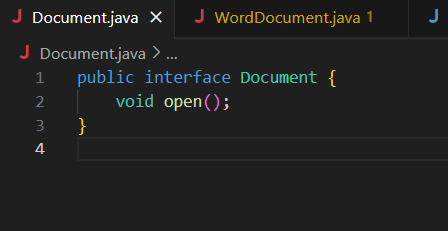
***Skill – Design Patterns and Principles***

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

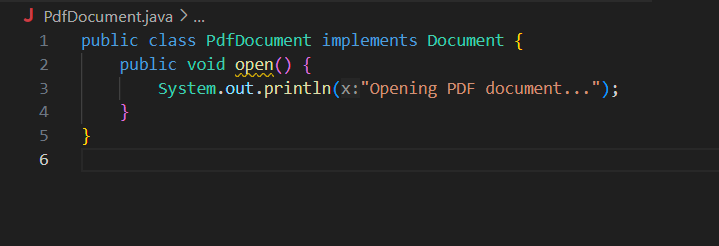
**Purpose:- The Factory Method Pattern provides a way to delegate the instantiation of objects to subclasses. It helps in creating objects without tightly coupling the code to specific classes.**

**CODE:-**

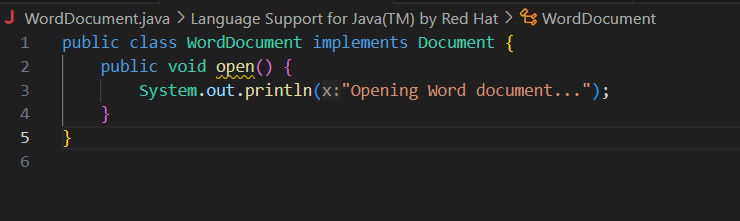
**Document.java:**

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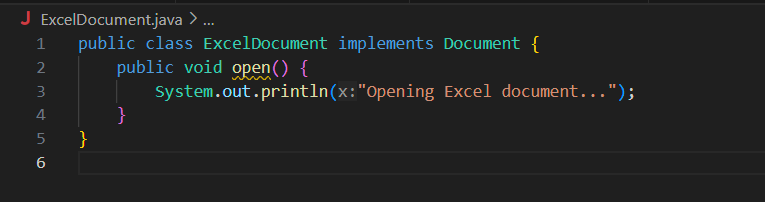
**PdfDocument.java:**

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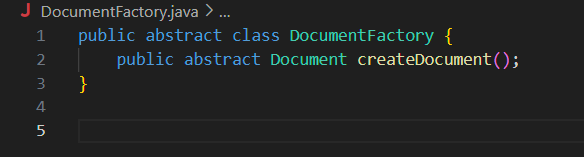
**WordDocument.java:**

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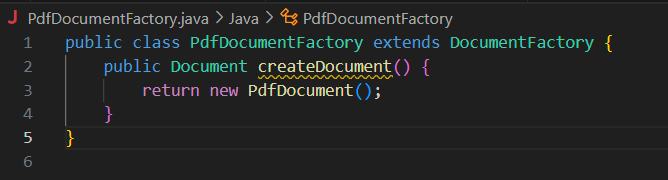
**ExcelDocument.java:**

****

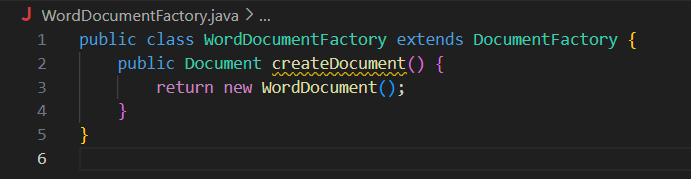
**DocumentFactory.java:**

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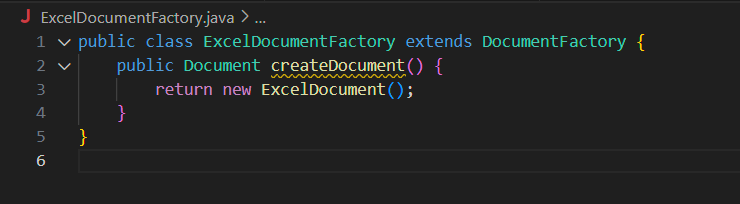
**PdfDocumentFactory.java:**

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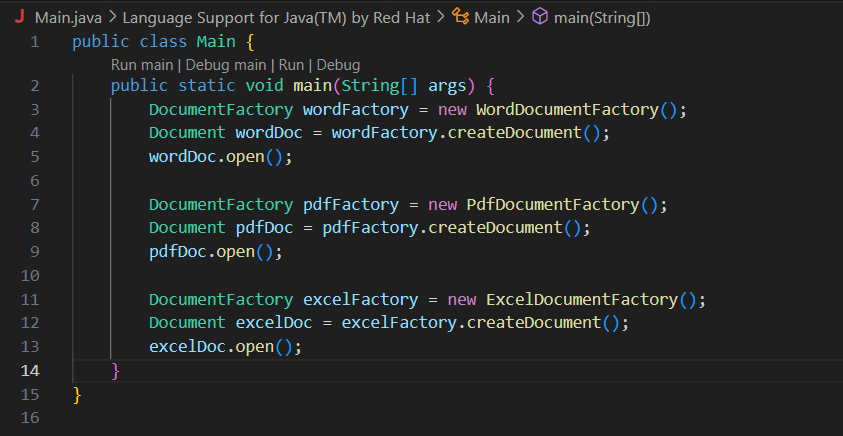
**WordDocumentFactory.java:**

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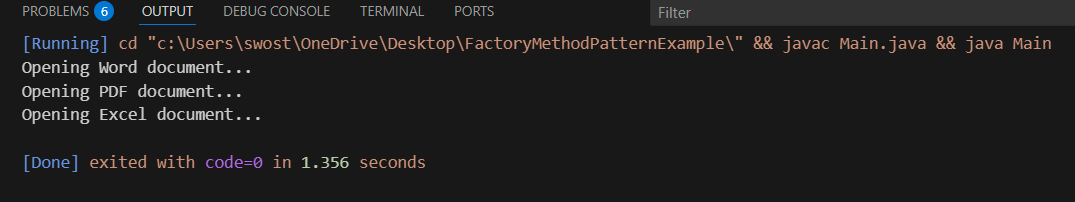
**ExcelDocumentFactory.java:**

****

**Main.java:**

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**Output:**

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