**IMPLEMENTING THE FACTORY METHOD PATTERN:**

1. **Creating a New Java Project**
   * A new Java project named FactoryMethodPatternExample was set up.
2. **Defining Document Classes**
   * Interfaces or abstract classes for various document types, such as WordDocument, PdfDocument, and ExcelDocument, were defined.
3. **Creating Concrete Document Classes**
   * Concrete classes for each document type were developed, implementing or extending the previously defined interfaces or abstract classes.
4. **Implementing the Factory Method**
   * An abstract class named DocumentFactory was created, including a method createDocument().
   * Concrete factory classes for each document type were implemented, extending DocumentFactory and providing implementations for the createDocument() method.
5. **Testing the Factory Method Implementation**
   * A test class was created to showcase the creation of different document types using the factory method, demonstrating the flexibility and scalability of the pattern.
6. Output

