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

**Scenario:**

You are developing a document management system that needs to create different types of documents (e.g., Word, PDF, Excel). Use the Factory Method Pattern to achieve this.

**Steps:**

1. **Create a New Java Project:**

A new Java project is created and is named as **FactoryMethodPatternExample**.

1. **Define Document Classes:**

An interfaces or abstract classes is created for different document types such as **WordDocument**, **PdfDocument**, and **ExcelDocument**.The code is provided in the wordpad.

1. **Create Concrete Document Classes:**

To Implement the concrete classes for each document type that implements or extends the above interfaces or abstract classes.The code is provided in the wordpad.

1. **Implement the Factory Method:**

An abstract class **DocumentFactory** is created with a method **createDocument()**.

A concrete factory classes is created for each document type that extends DocumentFactory and implements the **createDocument()** method.

The code is provided in the wordpad.

1. **Test the Factory Method Implementation:**

A test class is created to demonstrate the creation of different document types using the factory method.The code is provided in the wordpad.