```
// Product Interface
interface Document {
  void open();
}
// Concrete Products
class WordDocument implements Document {
  @Override
  public void open() {
    System.out.println("Opening Word document.");
}
class PdfDocument implements Document {
  @Override
  public void open() {
    System.out.println("Opening PDF document.");
// Creator Abstract Class
abstract class DocumentCreator {
  public abstract Document createDocument();
  public void openDocument() {
    Document doc = createDocument();
```

```
doc.open();
  }
}
// Concrete Creators
class WordDocumentCreator extends DocumentCreator {
  @Override
  public Document createDocument() {
    return new WordDocument();
  }
}
class PdfDocumentCreator extends DocumentCreator {
  @Override
  public Document createDocument() {
    return new PdfDocument();
}
// Client code
public\ class\ Factory Method Pattern Demo\ \{
  public static void main(String[] args) {
    DocumentCreator wordCreator = new WordDocumentCreator();
    DocumentCreator pdfCreator = new PdfDocumentCreator();
    wordCreator.openDocument(); // Output: Opening Word document.
    pdfCreator.openDocument(); // Output: Opening PDF document.
```