**Main.java**

import Factory.\*;

import Documents.\*;

public class Main {

public static void main(String[] args) {

DocumentFactory wordFactory = new WordDocumentFactory();

document word = wordFactory.createDocument();

word.open();

DocumentFactory pdfFactory = new PdfDocumentFactory();

document pdf = pdfFactory.createDocument();

pdf.open();

DocumentFactory excelFactory = new ExcelDocumentFactory();

document excel = excelFactory.createDocument();

excel.open();

}

}

**document.java**package Documents;

public interface document {

void open();

}

**ExcelDocument.java**package Documents;

public class ExcelDocument implements document {

public void open() {

System.***out***.println("Excel Document");

}

}

**PdfDocument.java**package Documents;

public class PdfDocument implements document {

public void open() {

System.***out***.println("PDF Document");

}

}

**WordDocument.java**package Documents;

public class WordDocument implements document {

public void open() {

System.***out***.println("Word Document");

}

}

**DocumentFactory.java**package Factory;

import Documents.document;

public abstract class DocumentFactory {

public abstract document createDocument();

}

**ExcelDocumentFactory.java**package Factory;

import Documents.\*;

public class ExcelDocumentFactory extends DocumentFactory {

public document createDocument() {

return new ExcelDocument();

}

}

**PdfDocumentFactory.java**package Factory;

import Documents.\*;

public class PdfDocumentFactory extends DocumentFactory {

public document createDocument() {

return new PdfDocument();

}

}

**WordDocumentFactory.java**package Factory;

import Documents.\*;

public class WordDocumentFactory extends DocumentFactory {

public document createDocument() {

return new WordDocument();

}

}

**Output:  
  
Word Document**

**PDF Document**

**Excel Document**