**Document.java :**

public interface Document {

void open();

}

**WordDocument.java :**

public class WordDocument implements Document {

public void open() {

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

}

}

**PdfDocument.java :**

public class PdfDocument implements Document {

public void open() {

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

}

}

**ExcelDocument.java :**

public class ExcelDocument implements Document {

public void open() {

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

}

}

**DocumentFactory.java :**

public abstract class DocumentFactory {

public abstract Document createDocument();

}

**WordDocumentFactory.java :**

public class WordDocumentFactory extends DocumentFactory {

public Document createDocument() {

return new WordDocument();

}

}

**PdfDocumentFactory.java :**

public class PdfDocumentFactory extends DocumentFactory {

public Document createDocument() {

return new PdfDocument();

}

}

**ExcelDocumentFactory.java :**

public class ExcelDocumentFactory extends DocumentFactory {

public Document createDocument() {

return new ExcelDocument();

}

}

**FactoryPatternTest.java :**

public class FactoryPatternTest {

public static void main(String[] args) {

DocumentFactory wordFactory = new WordDocumentFactory();

Document wordDoc = wordFactory.createDocument();

wordDoc.open();

DocumentFactory pdfFactory = new PdfDocumentFactory();

Document pdfDoc = pdfFactory.createDocument();

pdfDoc.open();

DocumentFactory excelFactory = new ExcelDocumentFactory();

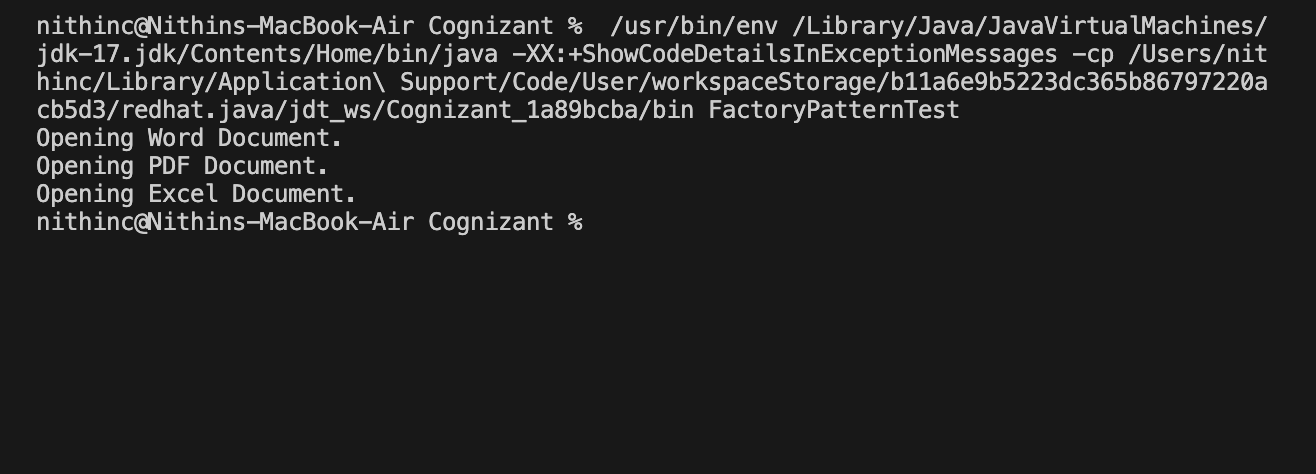
Document excelDoc = excelFactory.createDocument();

excelDoc.open();

}

}

**Output :**

****