**Document.java**

public interface Document {

    void open();

}

**DocumentFactory.java**

public abstract class DocumentFactory {

    public abstract Document createDocument();

}

**ExcelDocument.java**

public class ExcelDocument implements Document {

    public void open() {

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

    }

}

**ExcelDocumentFactory.java**

public class ExcelDocumentFactory extends DocumentFactory {

    public Document createDocument() {

        return new ExcelDocument();

    }

}

**PdfDocument.java**

public class PdfDocument implements Document {

    public void open() {

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

    }

}

**PdfDocumentFactory.java**

public class PdfDocumentFactory extends DocumentFactory {

    public Document createDocument() {

        return new PdfDocument();

    }

}

**WordDocument.java**

public class WordDocument implements Document {

    public void open() {

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

    }

}

**WordDocumentFactory.java**

public class WordDocumentFactory extends DocumentFactory {

    public Document createDocument() {

        return new WordDocument();

    }

}

**Main.java**

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();

    }

}

**Output:**

