**Factory\_method**

//Document.java

**package** com.factorymethod;

**public** **interface** Document {

**void** open();

}

//PdfDocument.java

**package** com.factorymethod;

**public** **class** PdfDocument **implements** Document {

**public** **void** open() {

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

}

}

//WordDocument.java

**package** com.factorymethod;

**public** **class** WordDocument **implements** Document {

**public** **void** open() {

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

}

}

//Main.java

**package** com.factorymethod;

**public** **class** Main {

**public** **static** **void** main(String[] args) {

Document doc1 = DocumentFactory.*createDocument*("word");

doc1.open();

Document doc2 = DocumentFactory.*createDocument*("pdf");

doc2.open();

}

}

OUTPUT:

