## **FACTORY PATTERN**

```
LI LINKLIST Version control V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  <u></u> 유 Q 🕸
Project ∨
                                                                                                                                           © reversedll.java © LINKLIST.java
                                                                                                                                                                                                                                                                             © doubly.java

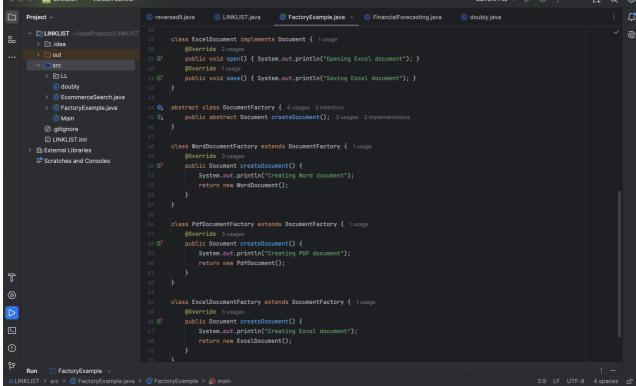
✓ Calinklist ~/IdeaProjects/LINKLIST

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ම
                                                                                                                                                                                 public static void main(String[] args) {
                          > 🗀 .idea
                     ∨ 🗀 src
                                                                                                                                                                                               wordDoc.open();
                                  > ଢ LL
                                    > © EcommerceSearch.java
                                                                                                                                                                                              Document pdfDoc = pdfFactory.createDocument();
                                    > © FactoryExample.java
                                                                                                                                                                                               pdfDoc.save();
                                           ( Main
                                   Ø .gitignore
                                                                                                                                                                                             DocumentFactory excelFactory = new ExcelDocumentFactory();
                                   ■ LINKLIST.imI
                    > (11) External Libraries

Scratches and Consoles

■ Consoles

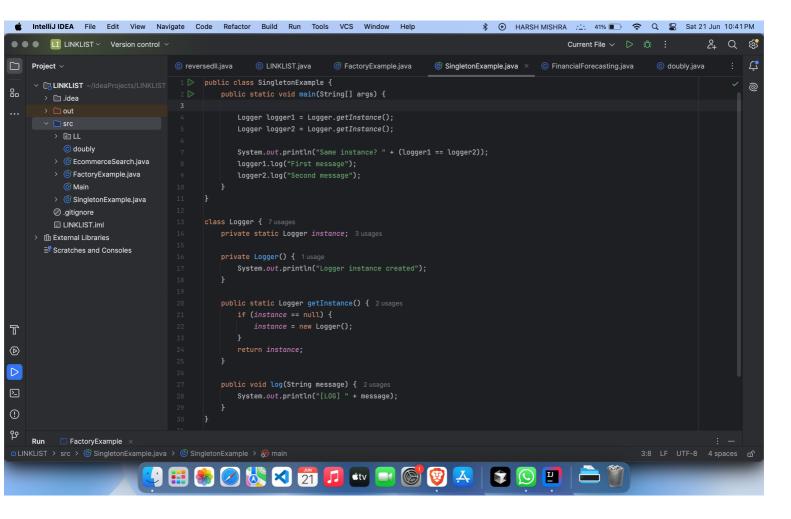
■
                                                                                                                                             18 (1) interface Document { 10 usages 3 implementations void open(); 2 usages 3 implementations void save(); 1 usage 3 implementations
                                                                                                                                                                                  public void open() { System.out.println("Opening Word document"); }
                                                                                                                                                                                 @Override 1usa
T
                                                                                                                                                                                 public void save() { System.out.println("Saving Word document"); }
Ð
ဨ
                 Run
                                              FactoryExample
                                            ● ● ■ ■ LI LINKLIST ✓ Version control
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          육 Q 🐯
```



## **OUTPUT->**

```
/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home/bin/java -javaagent:/Applications/Intellij IDEA CE.app/Contents/lib/idea_rt.jar=49543:/Applications/Intellij IDEA CE.app/Contents/lib/idea_
```

## SINGLETON PATTERN CODE ->



## **OUTPUT->**

