OUTPUT SCREENSHOTS

Week1: Design Patterns And Principles

Implementing the Singleton Pattern

2. Implementing the Factory Method Pattern

```
© DocumentFactory
                                                        public class Main {
                                                         public static void main(String[] args) {
   © ExcelDocument
                                                                DocumentFactory wordFactory = new WordDocumentFactory();
  © ExcelDocumentFactory
                                                                Document wordDoc = wordFactory.createDocument();
                                                                wordDoc.open();
   © PdfDocumentFactory
                                                                DocumentFactory pdfFactory = new PdfDocumentFactory();
  WordDocument
  © WordDocumentFactory
☐ Factory Method Pattern.iml
SingletonPattern D:\ds\SingletonPattern
                                                                DocumentFactory excelFactory = new ExcelDocumentFactory();
🗀 .idea
                                                                Document excelDoc = excelFactory.createDocument();
out
\oslash .gitignore
Open PDF document
Open Excel document
```

Week 1: Data structures and Algorithms

1.E-commerce Platform Search Function

```
V □ SE-commerce Platform Search Function DAds\E-comme

V □ Src

Wain

Product
Search
Search
Search
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Search
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Search
Search
Singleton Pattern
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Singleton Pattern
Singleton Patt
```

2. Financial Forecasting

```
Financial Forecasting D\ds\Financial Forecasting

Src
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Financial Forecasting iml
Financial Forecasting iml
Financial Forecasting iml
SingletonPattern D\ds\SingletonPattern

Call SingletonPattern

Call SingletonPat
```