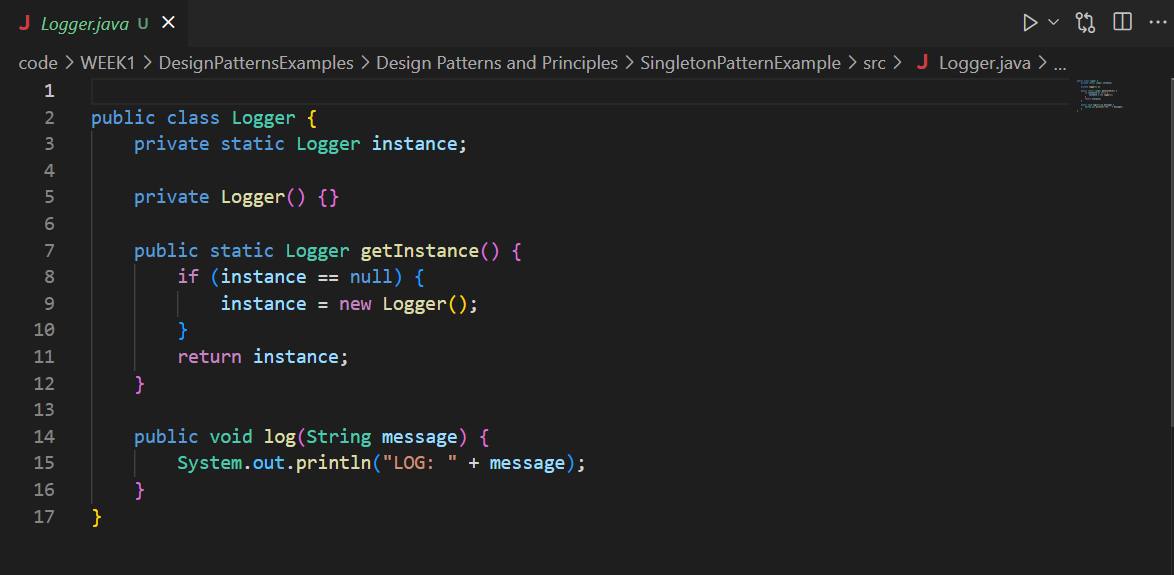
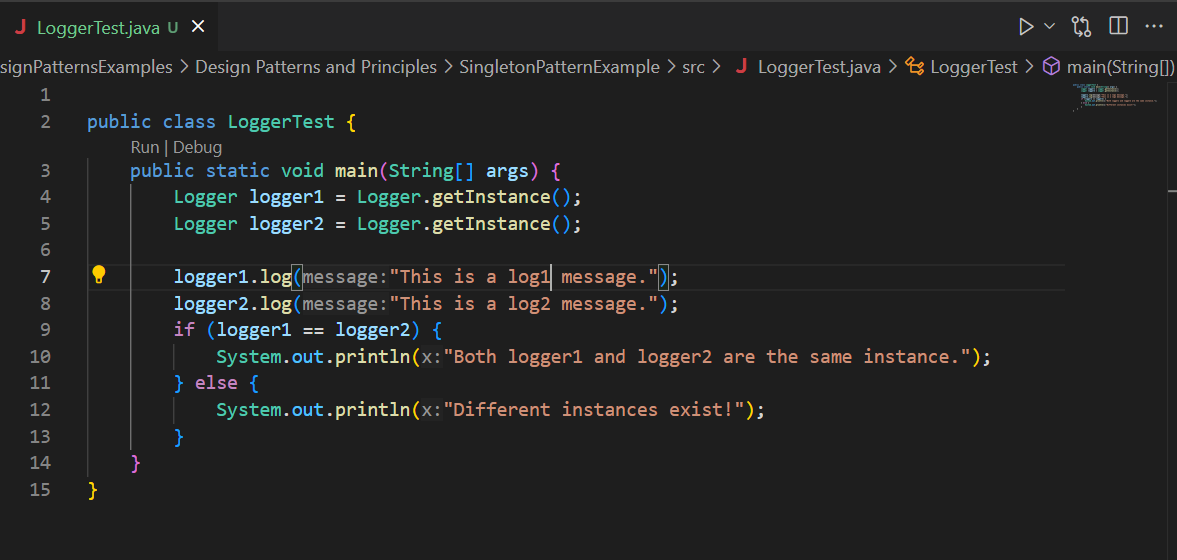
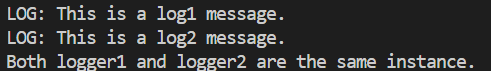
**Week 1**

**Exercise 1: Implementing the Singleton Pattern**

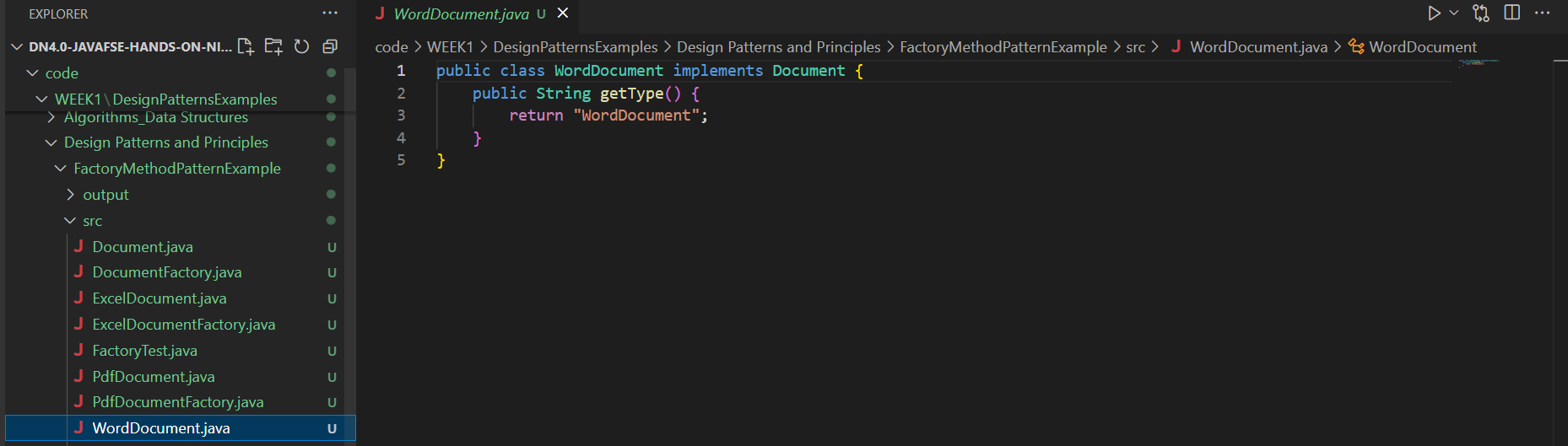
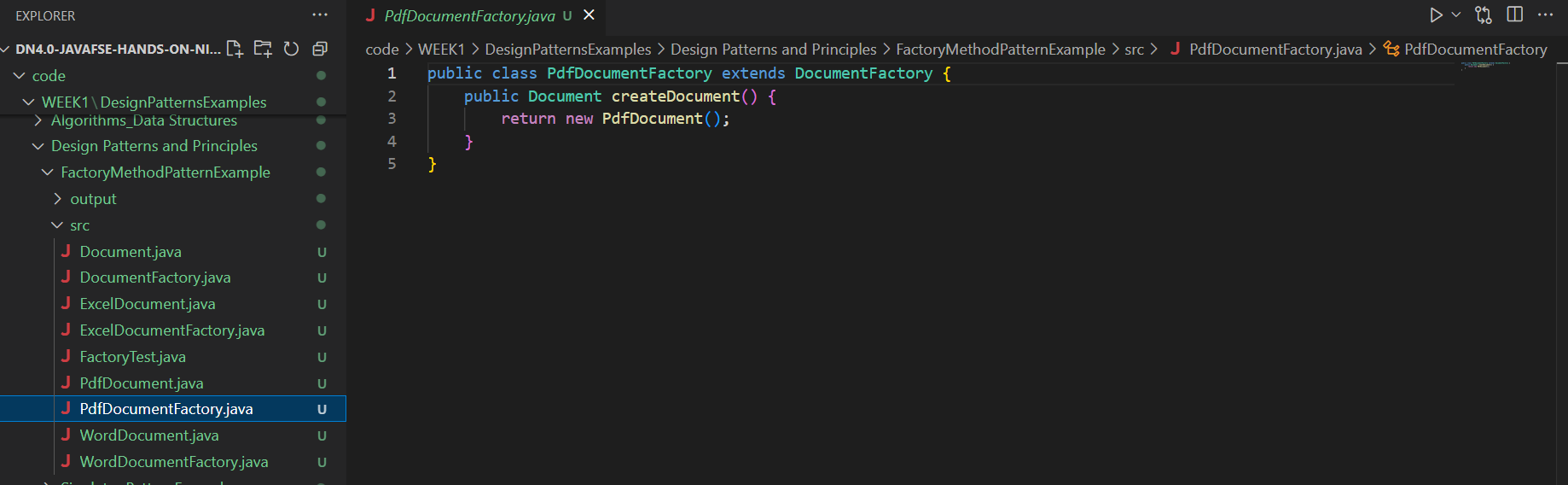
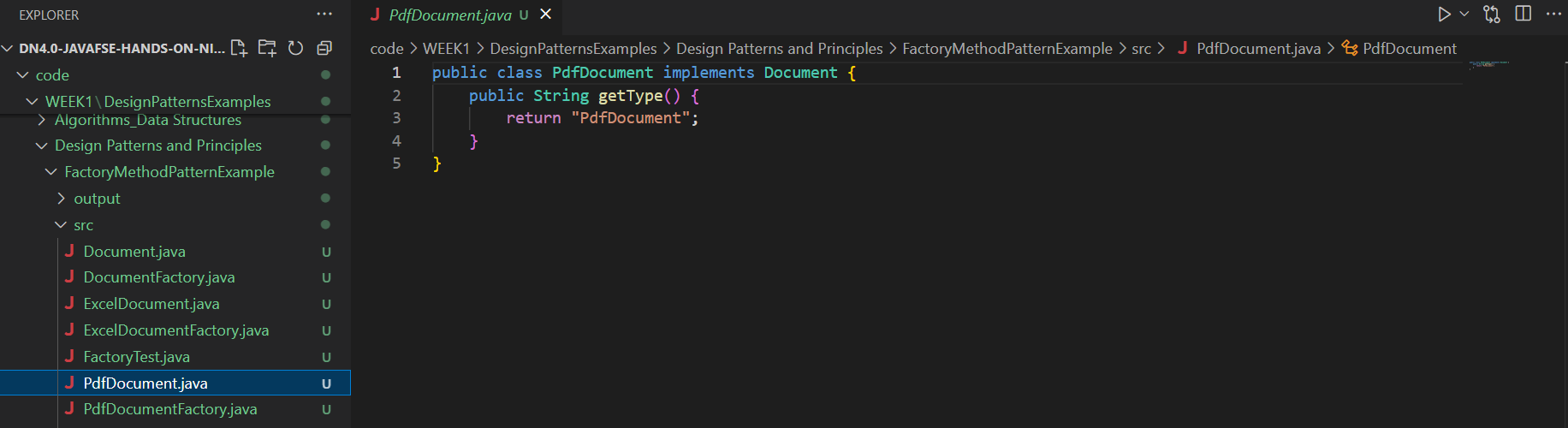
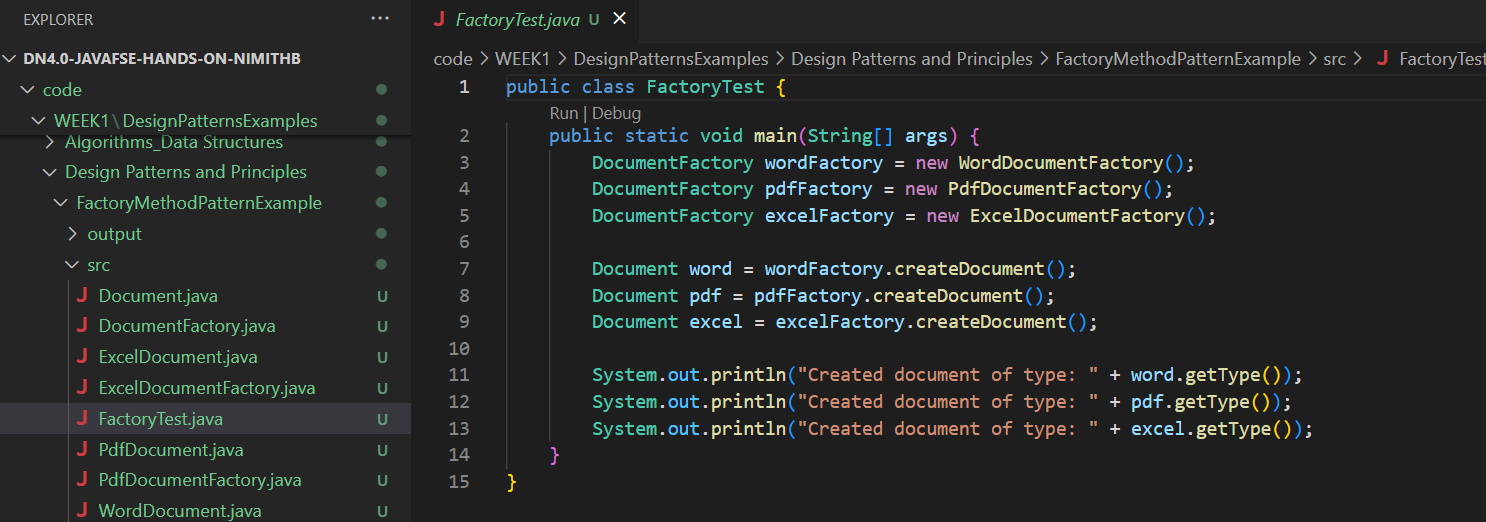
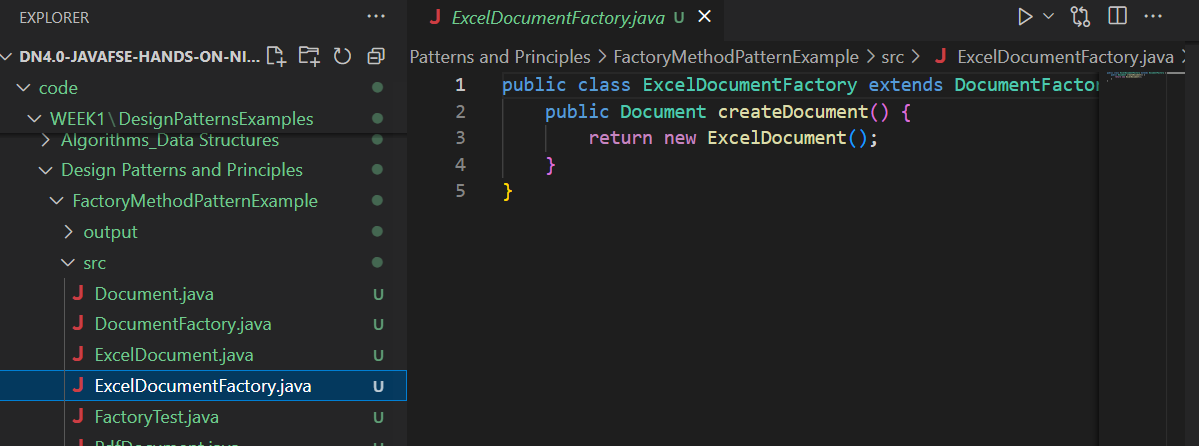
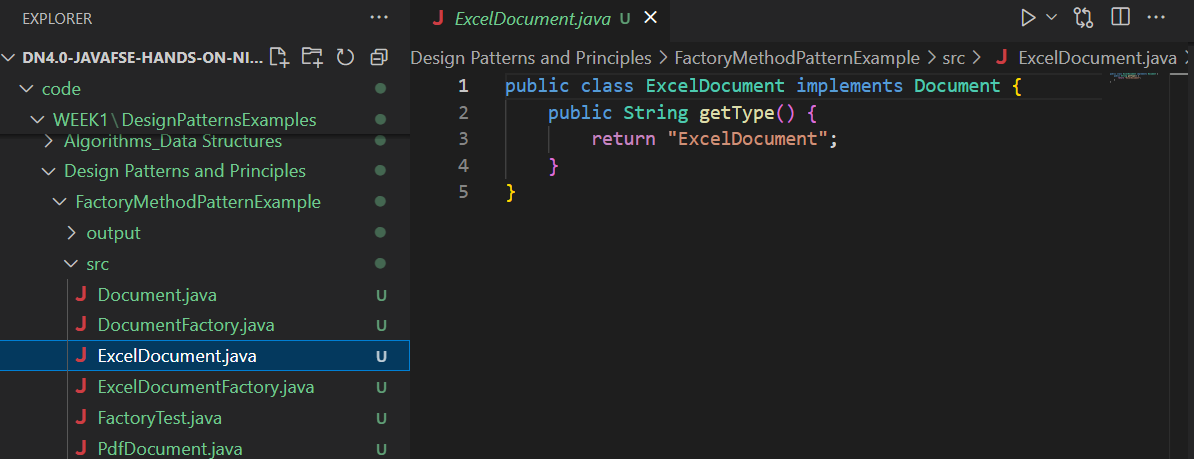
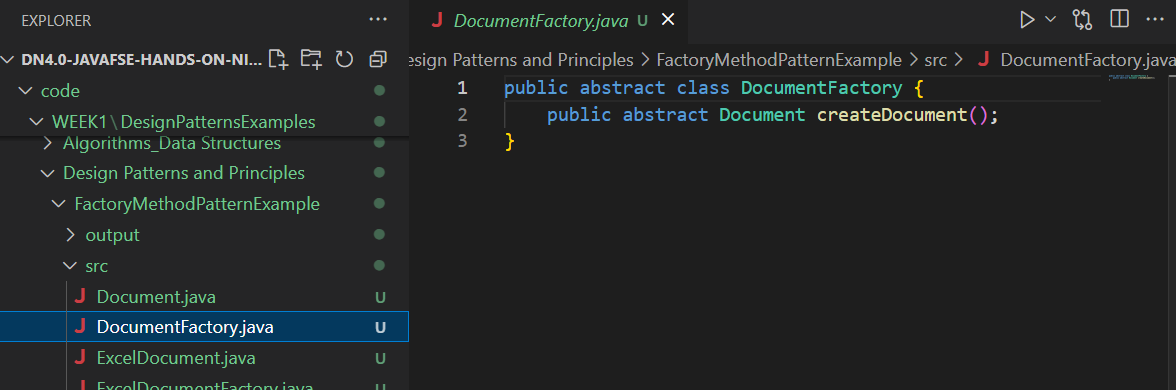
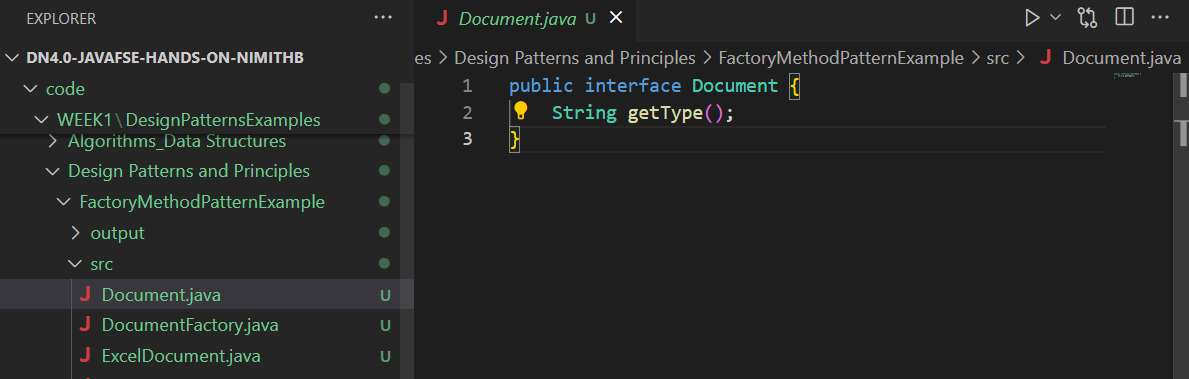
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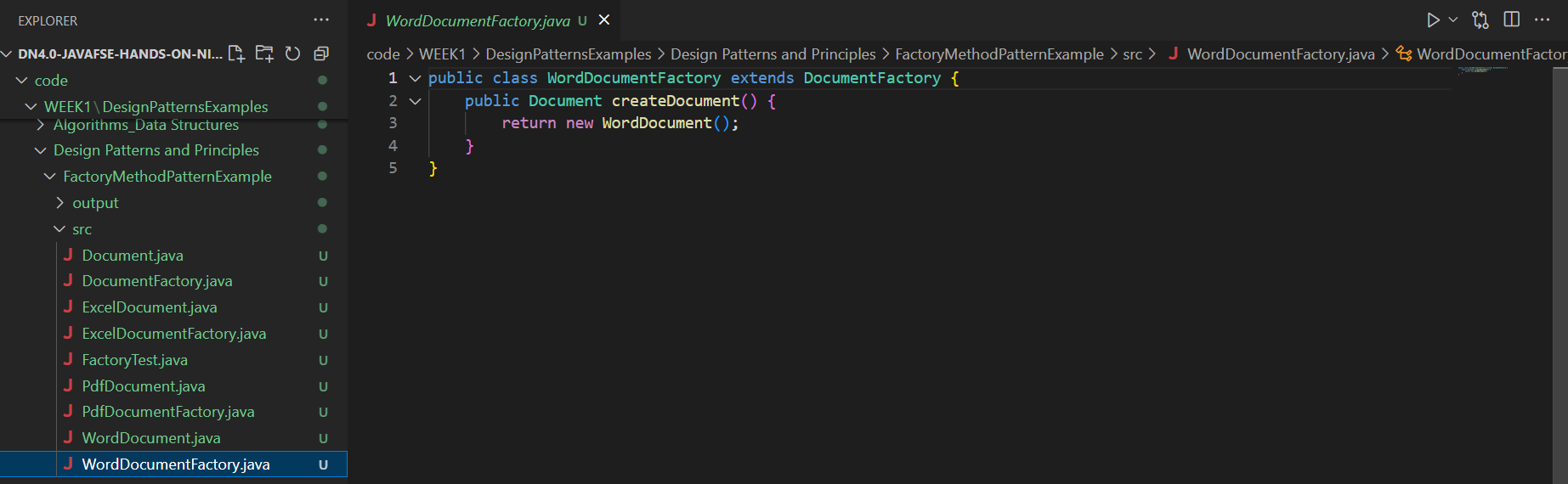
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**Result:**

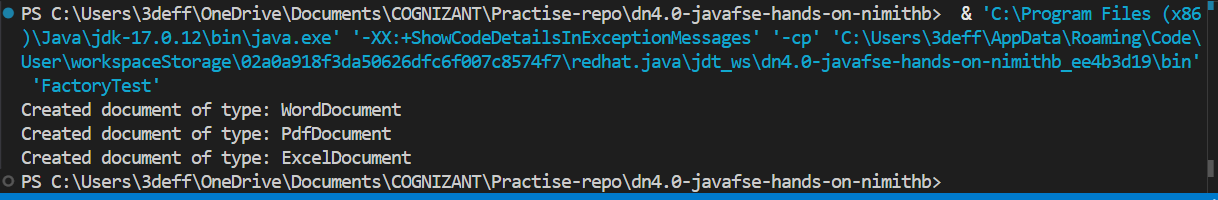
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**Exercise 2: Implementing the Factory Method Pattern**

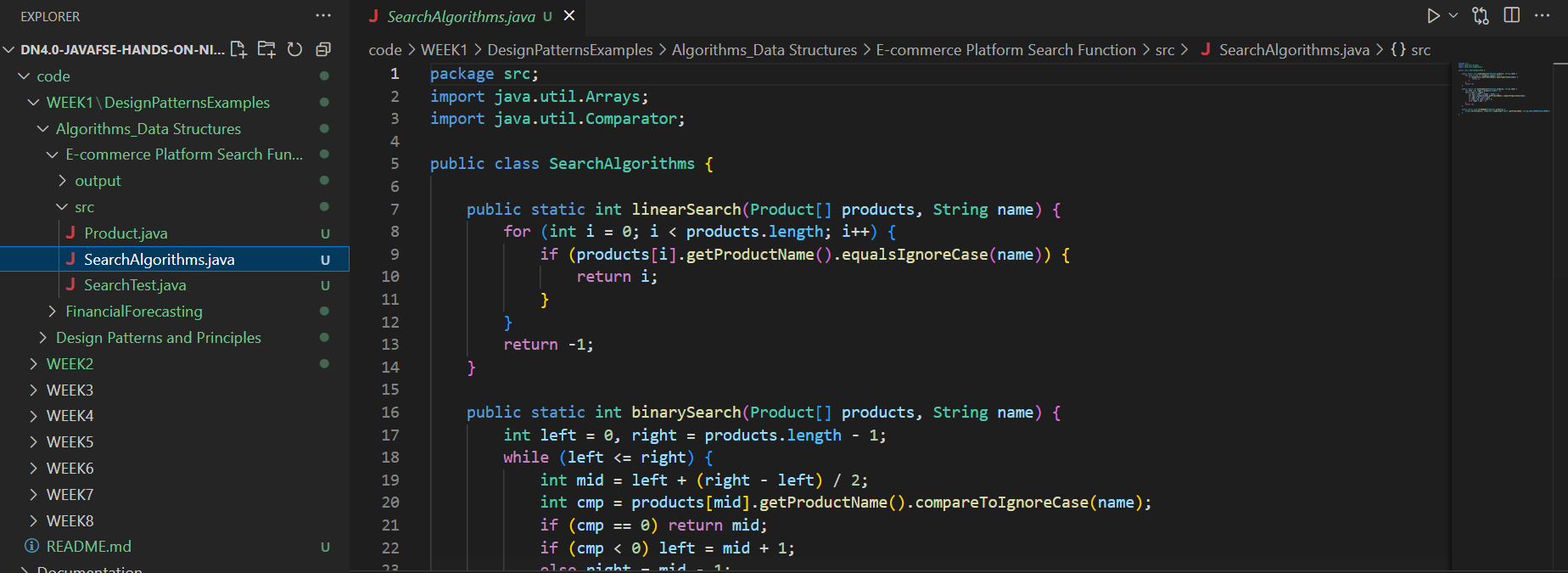
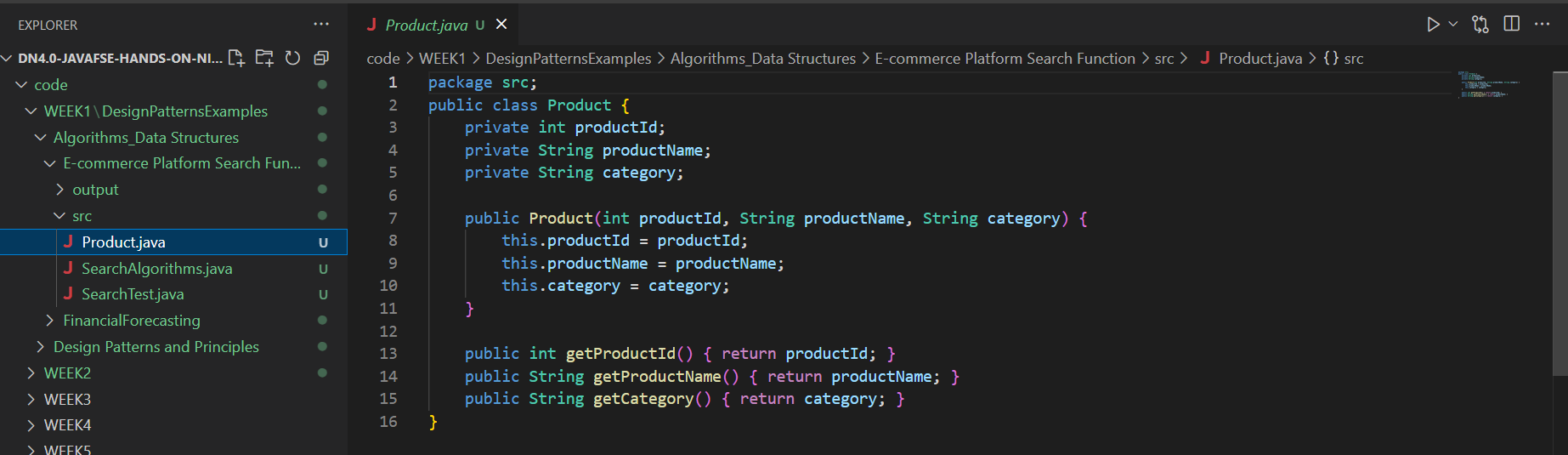
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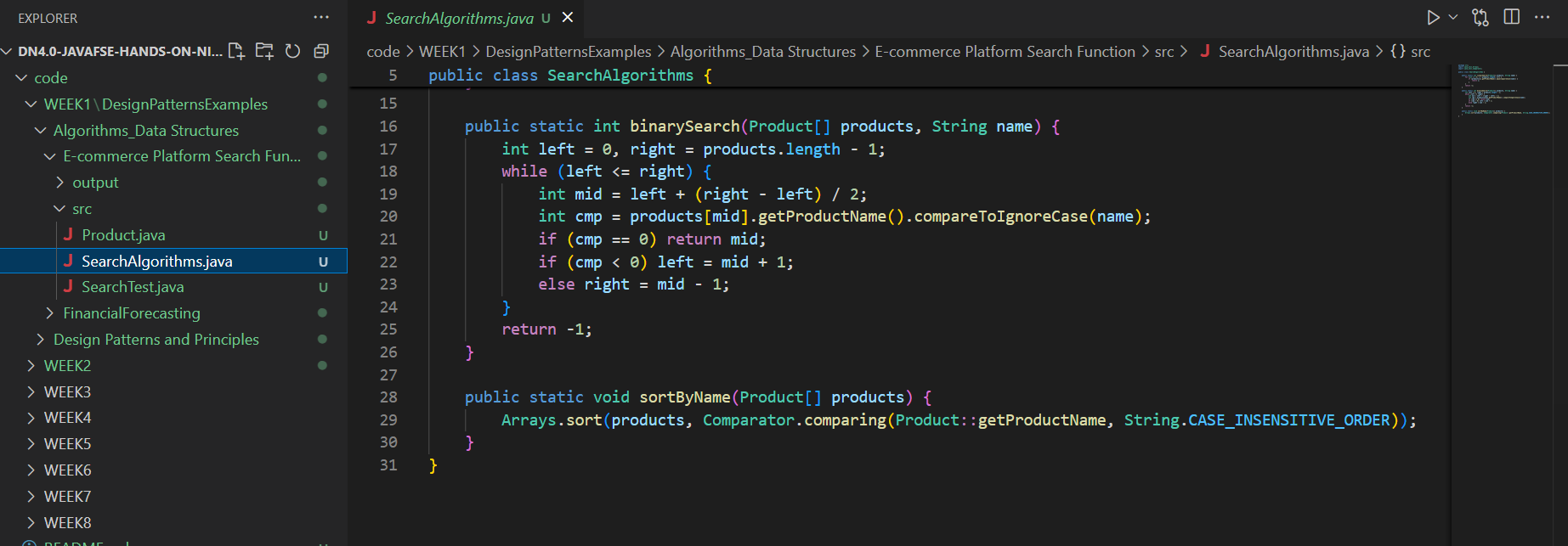
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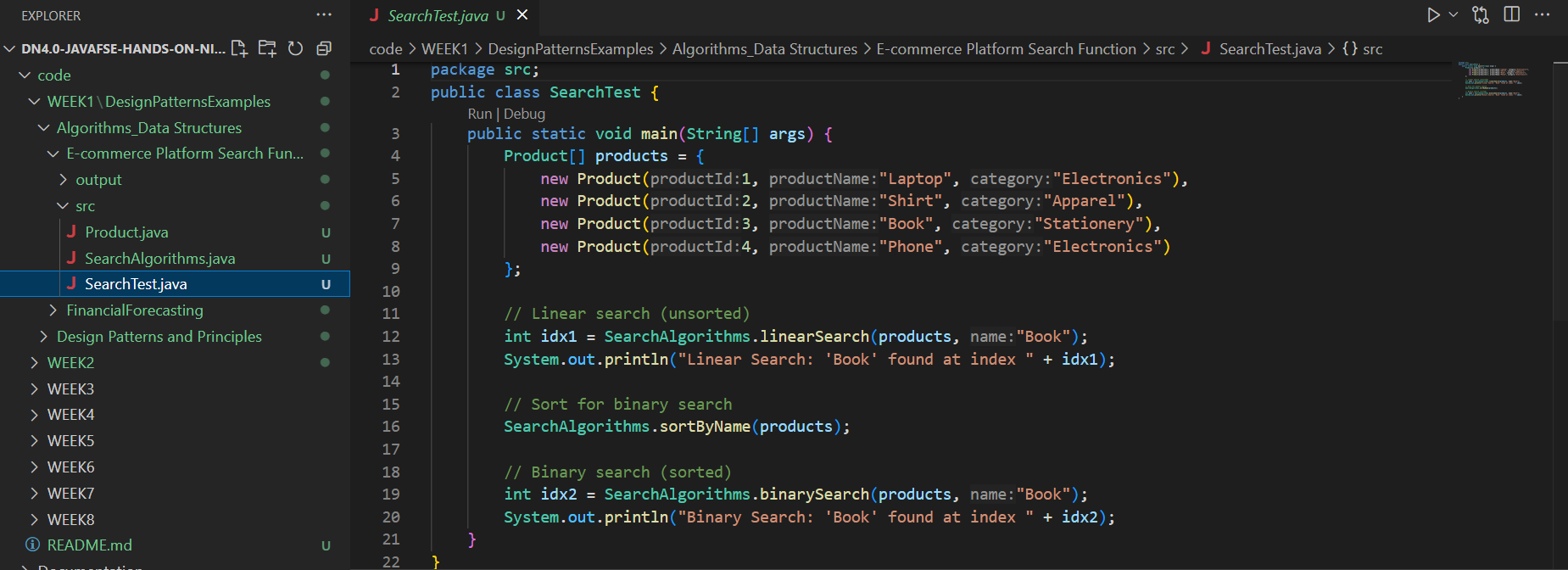
**RESULT**

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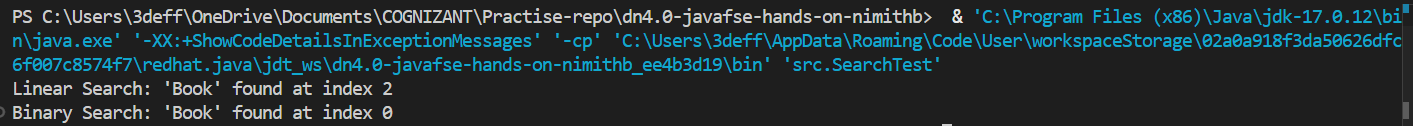
**Exercise 2: E-commerce Platform Search Function**

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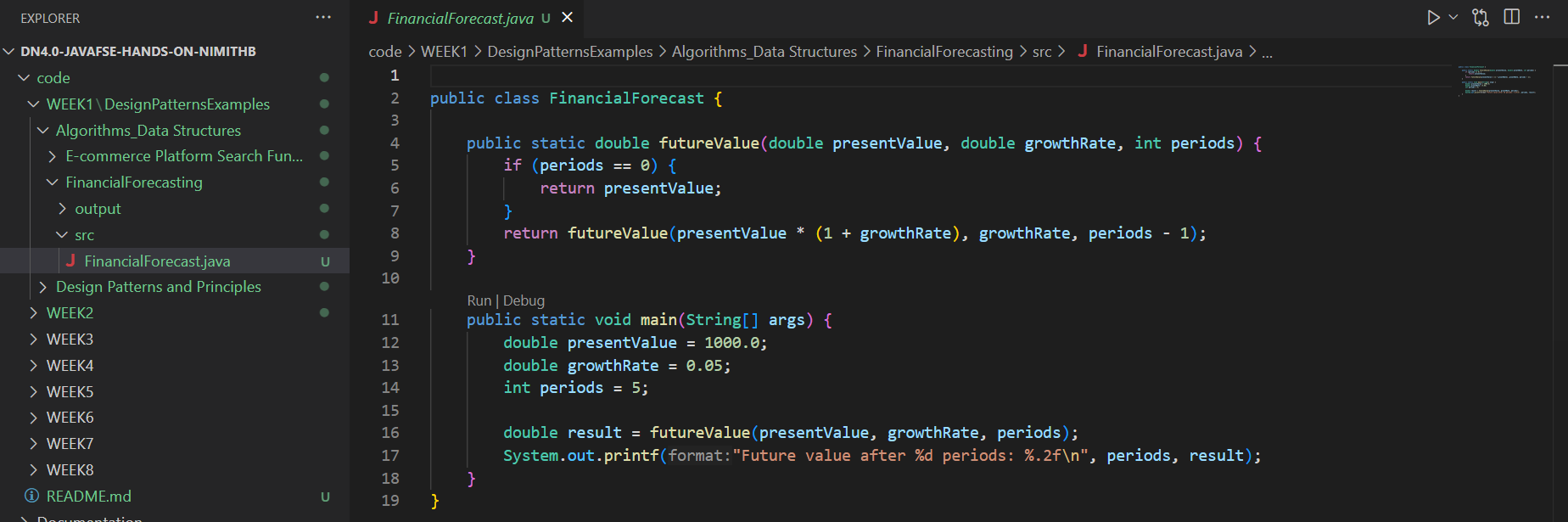
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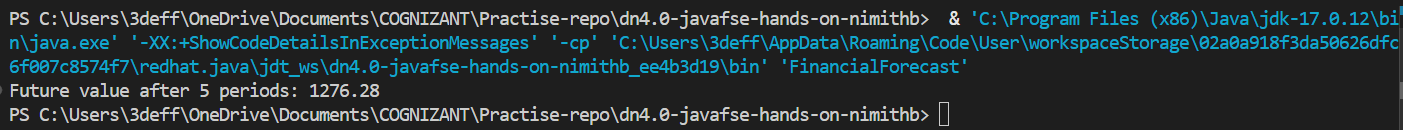
**RESULT:**

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**Exercise 7: Financial Forecasting**

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**RESULT**

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