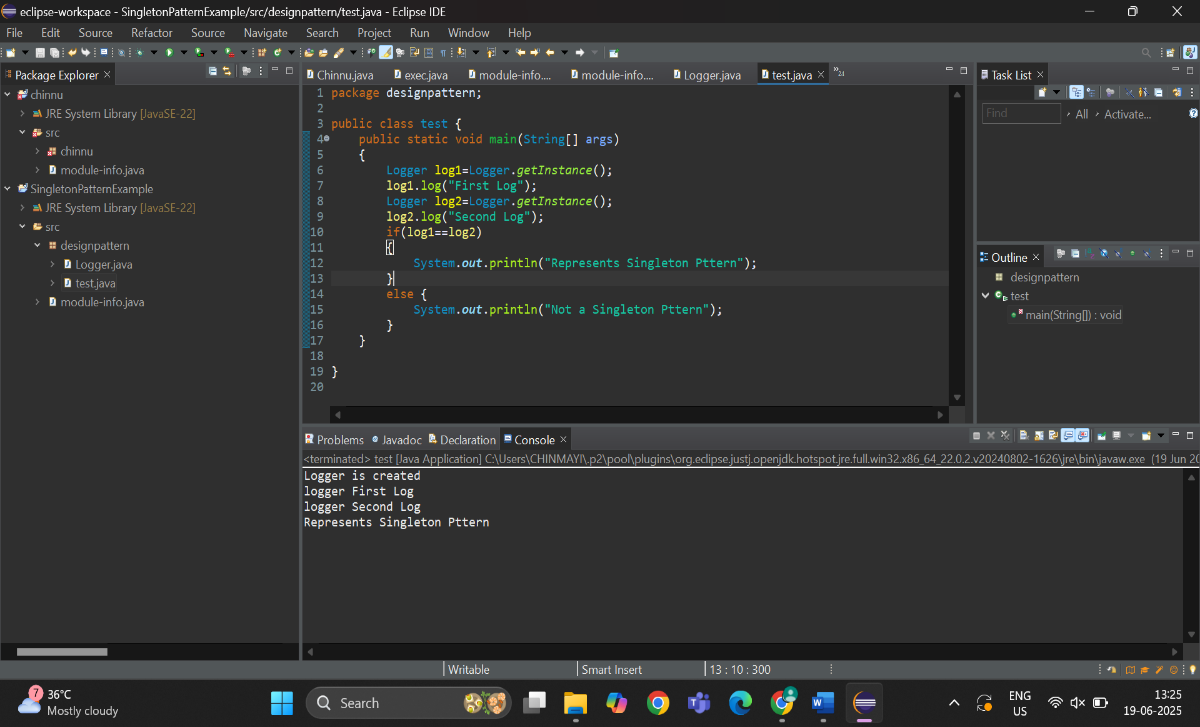
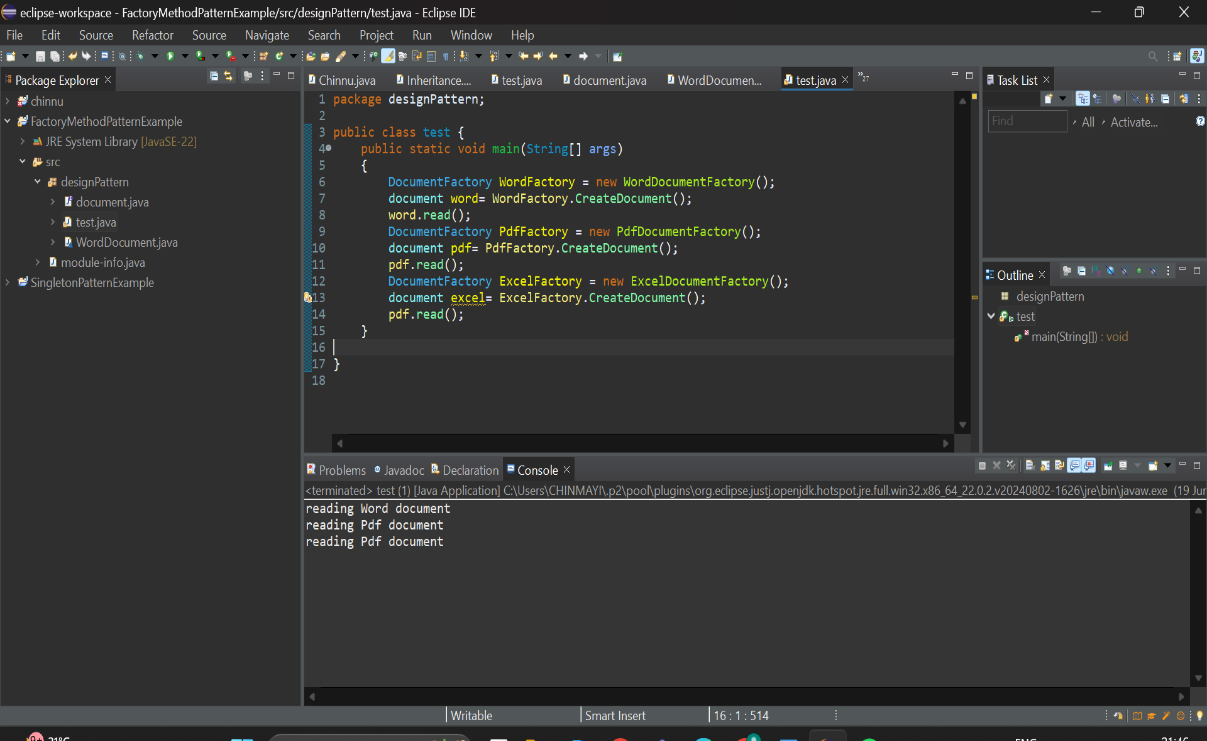
**Design Patterns:**

1. **Singleton Pattern:**

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1. **Factory methodPattern:**

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