Cognizant Java – FSE Hands-on

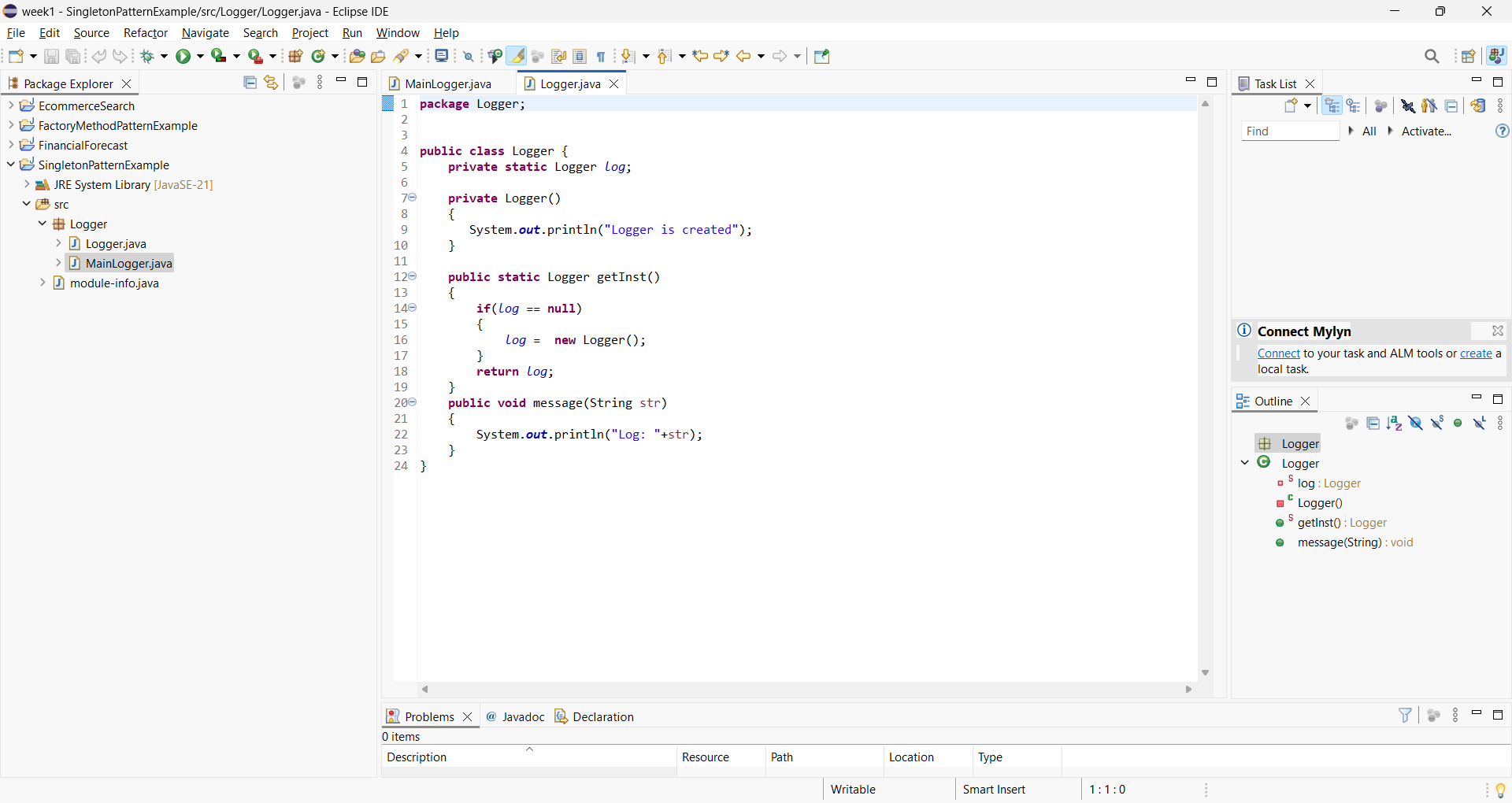
**Week-1**

# Design Pattern and Principles

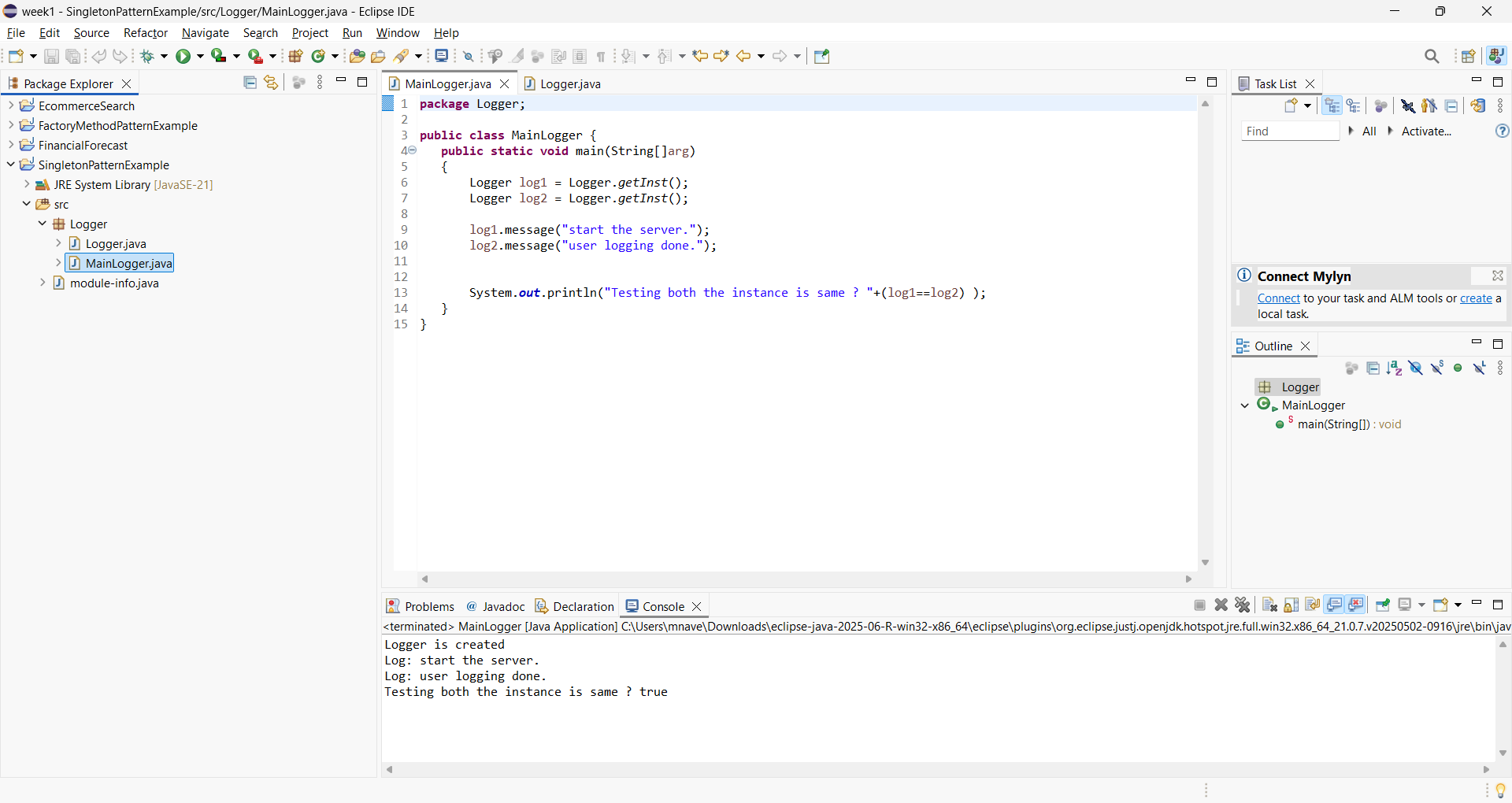
1.Implementing the Singleton Pattern:

Logger and MainLogger:

Coding:



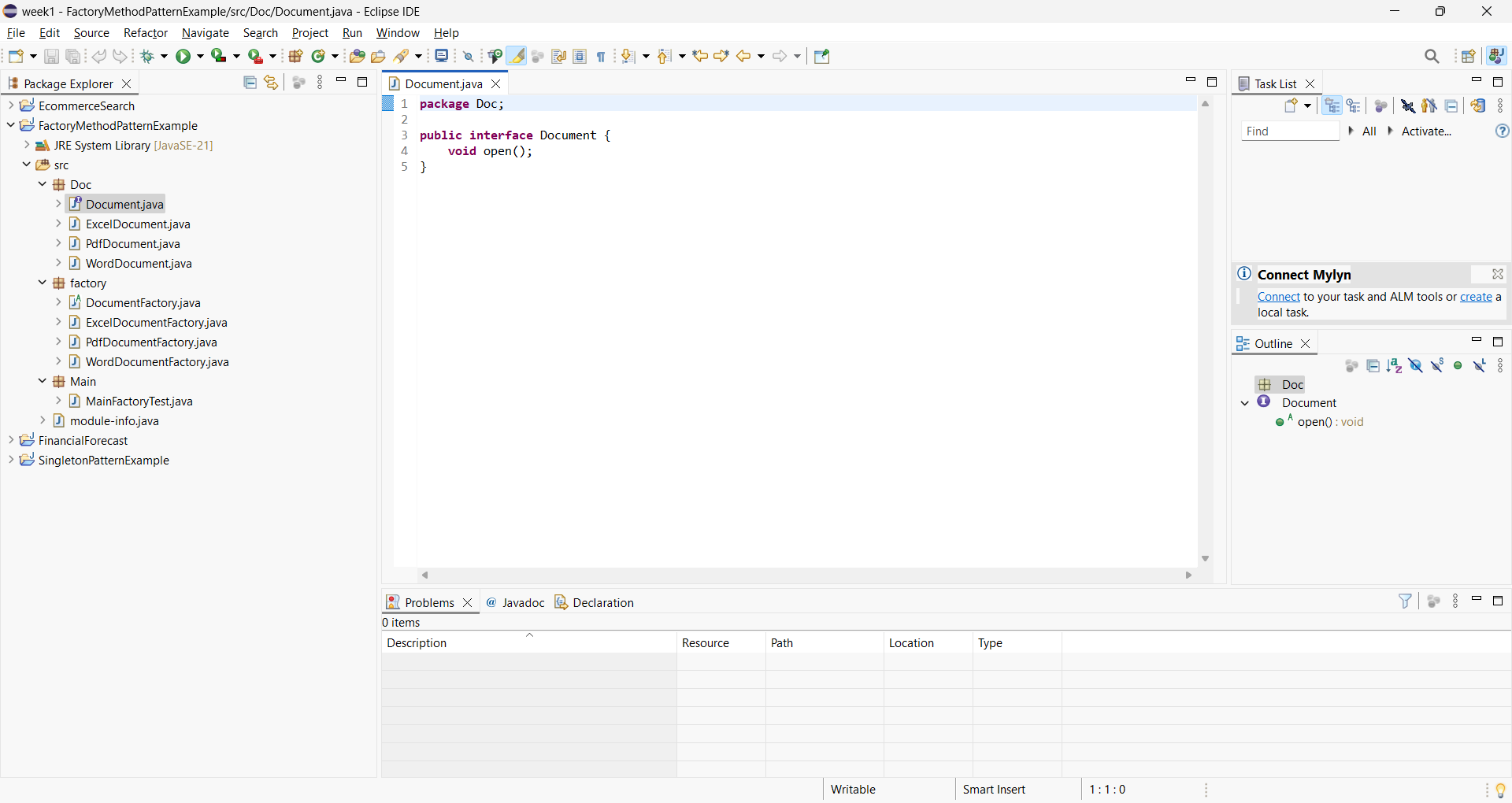
Output:

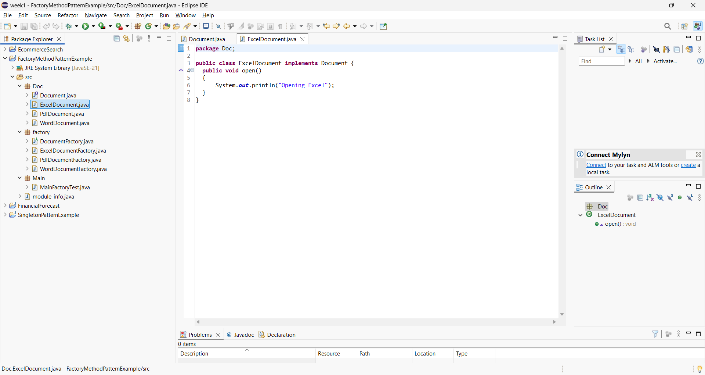


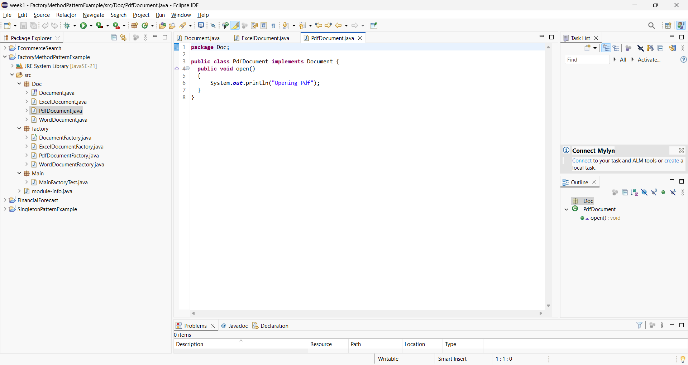
2. Implementing the Factory Method Pattern:

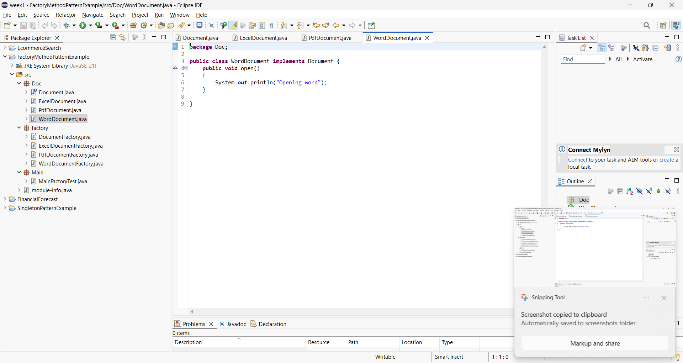
Inheritance and Abstract:

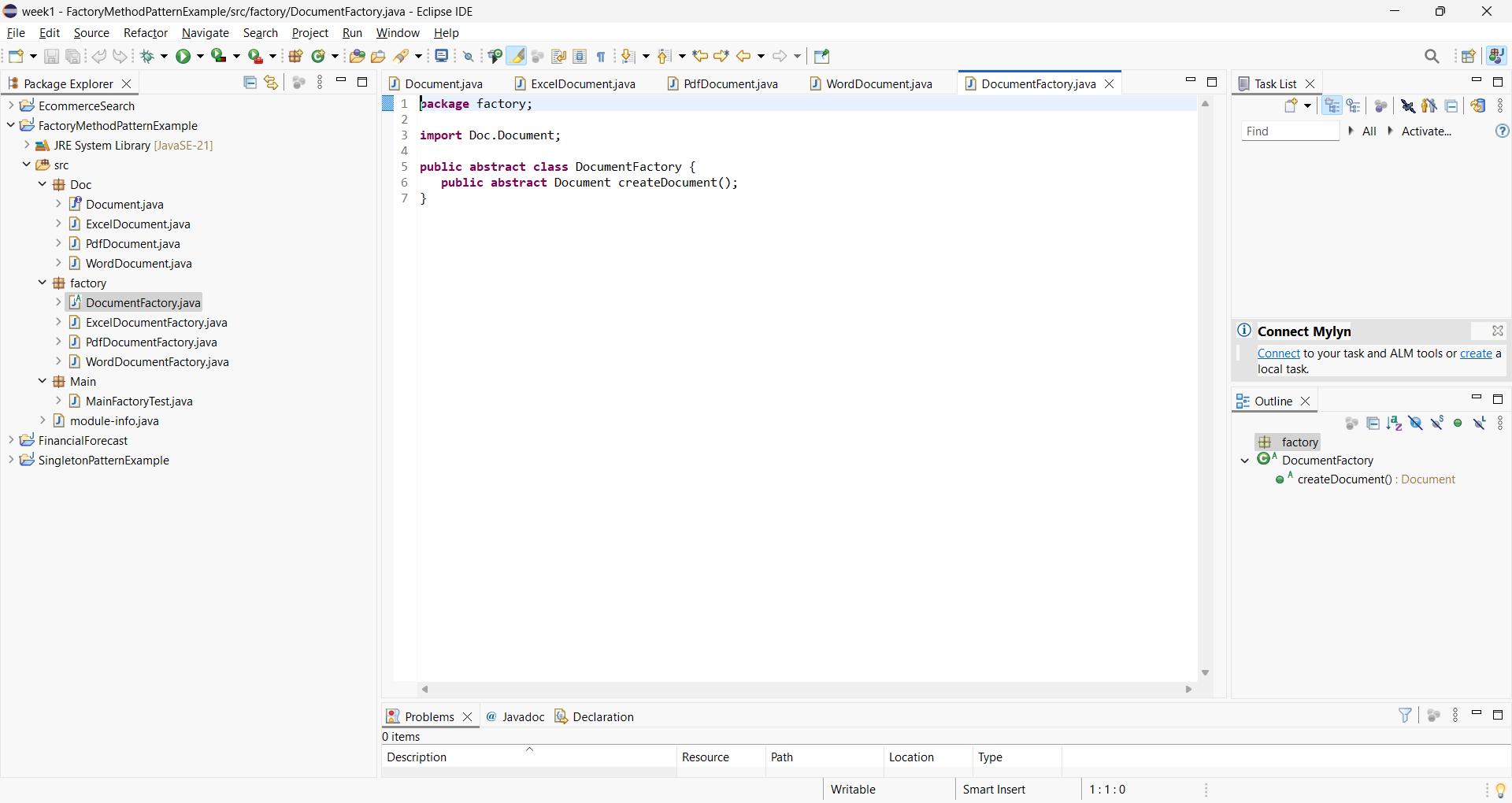
Coding:

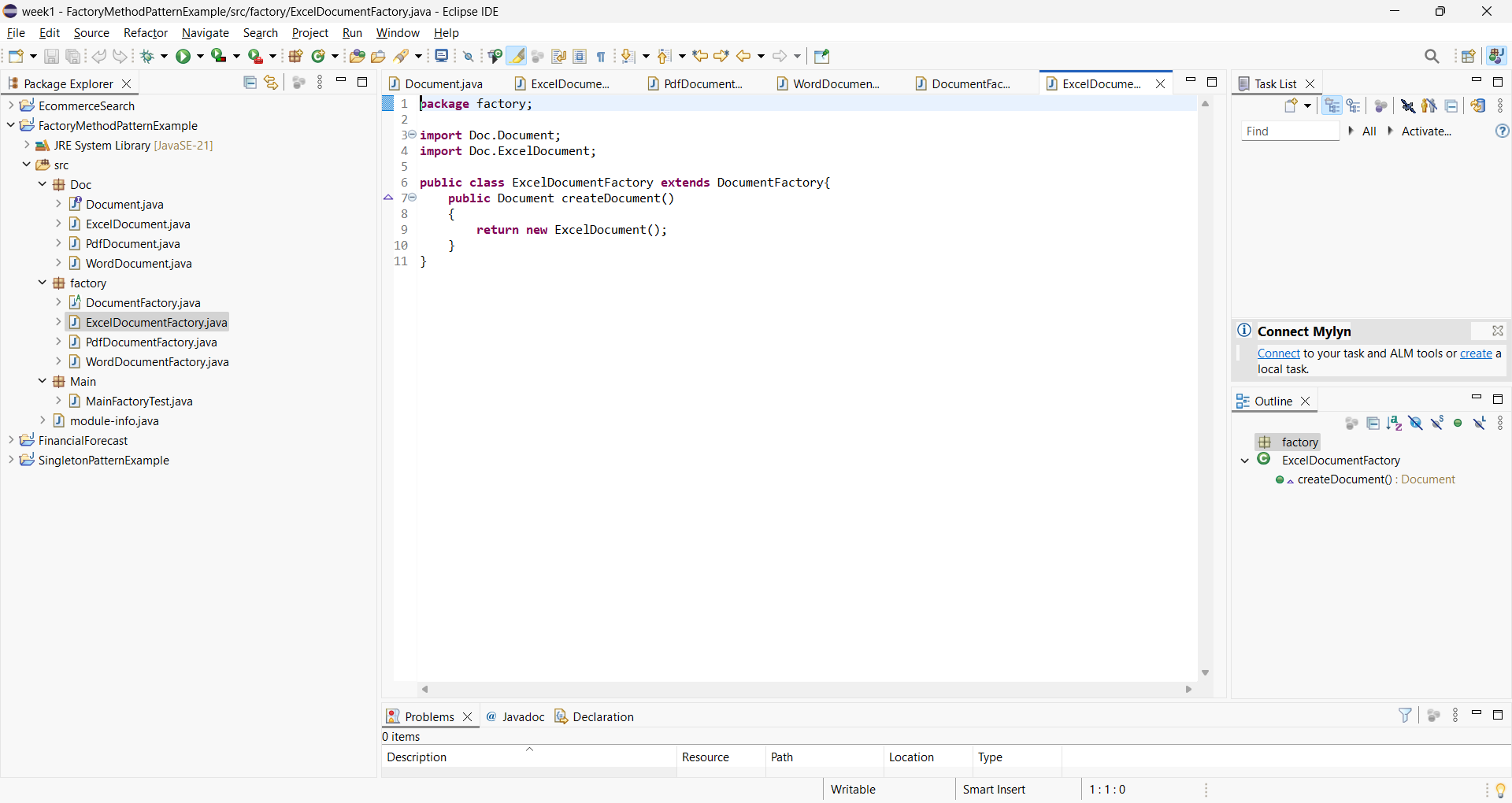


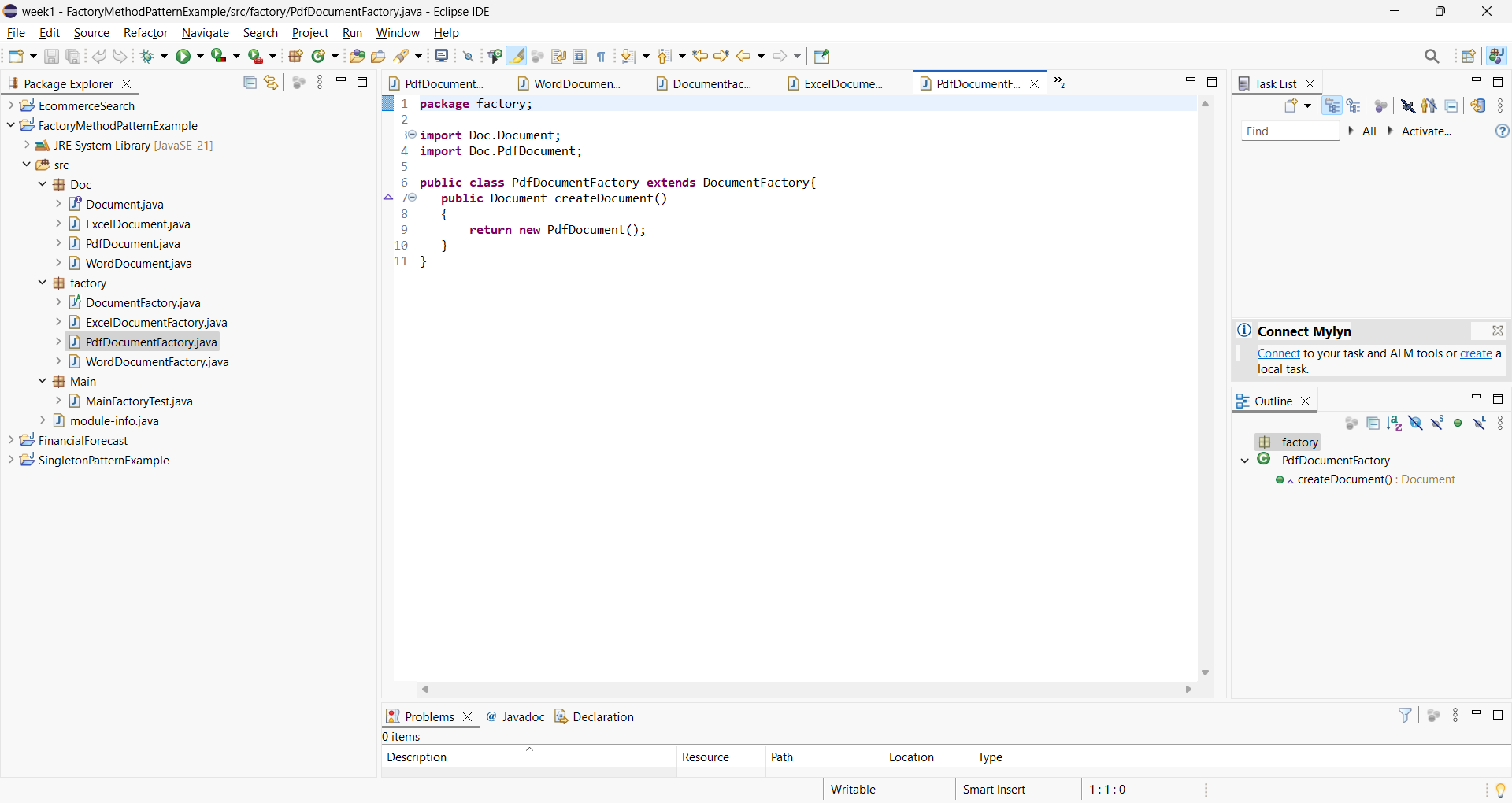


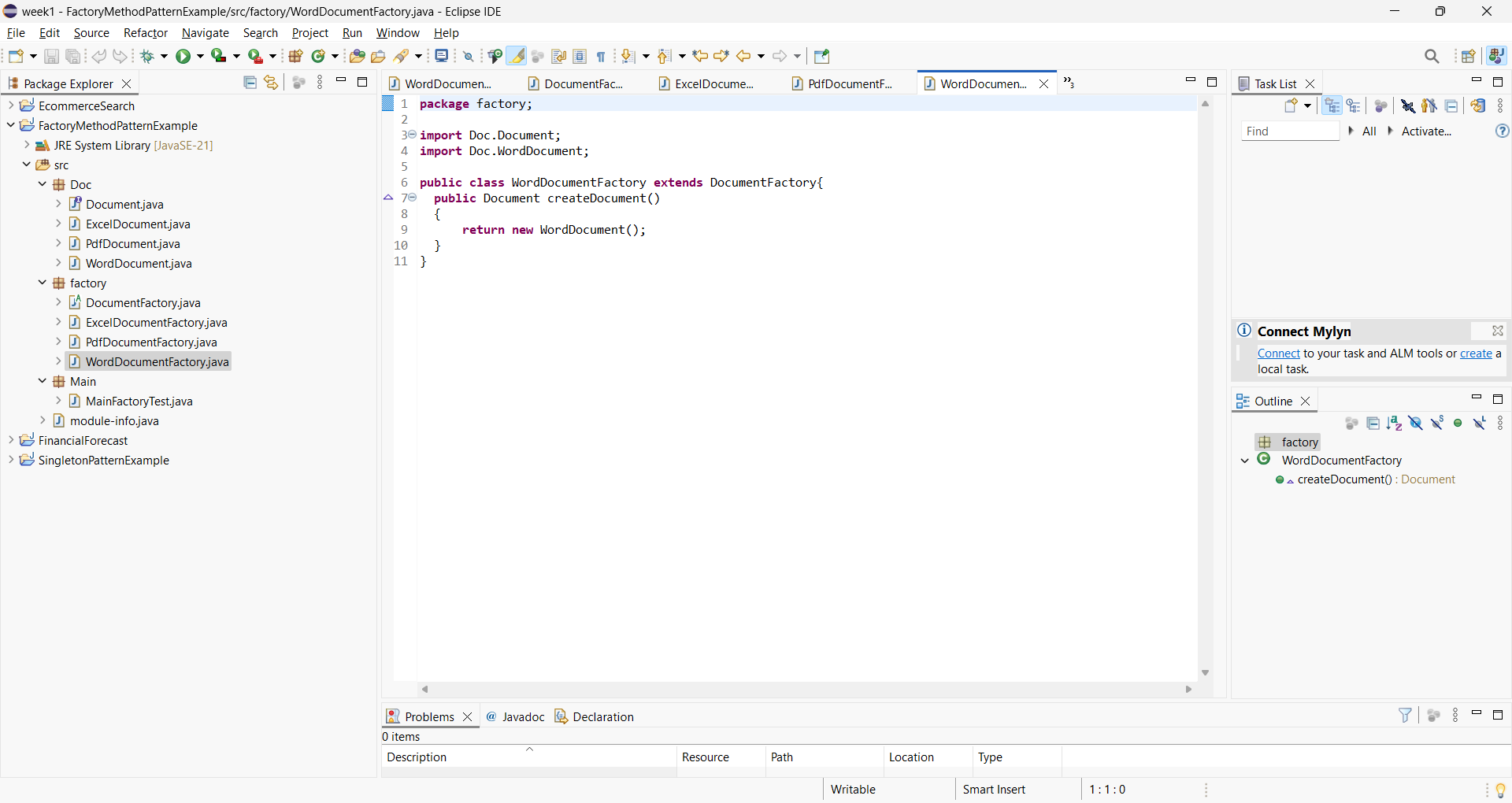




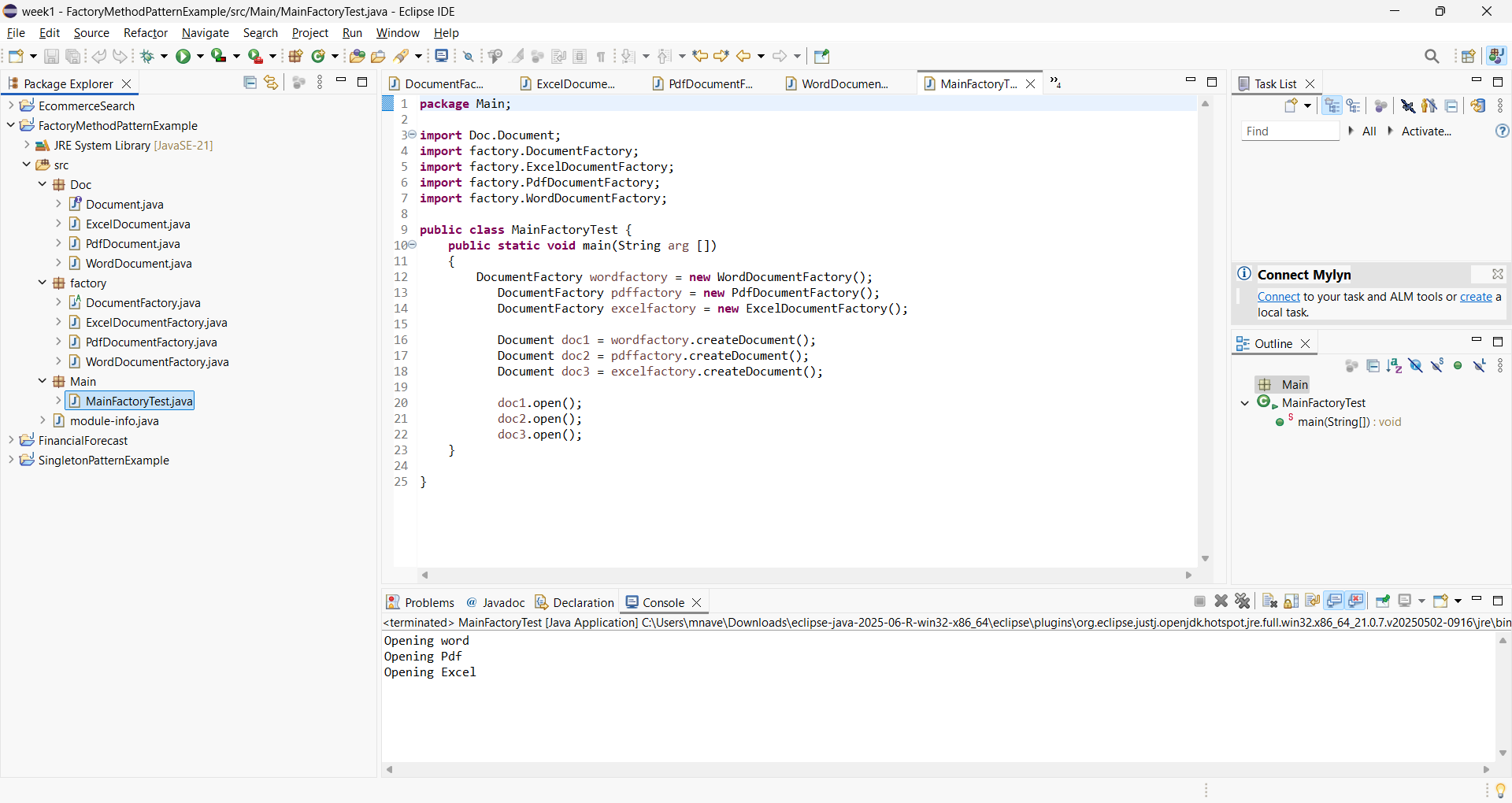








Output:

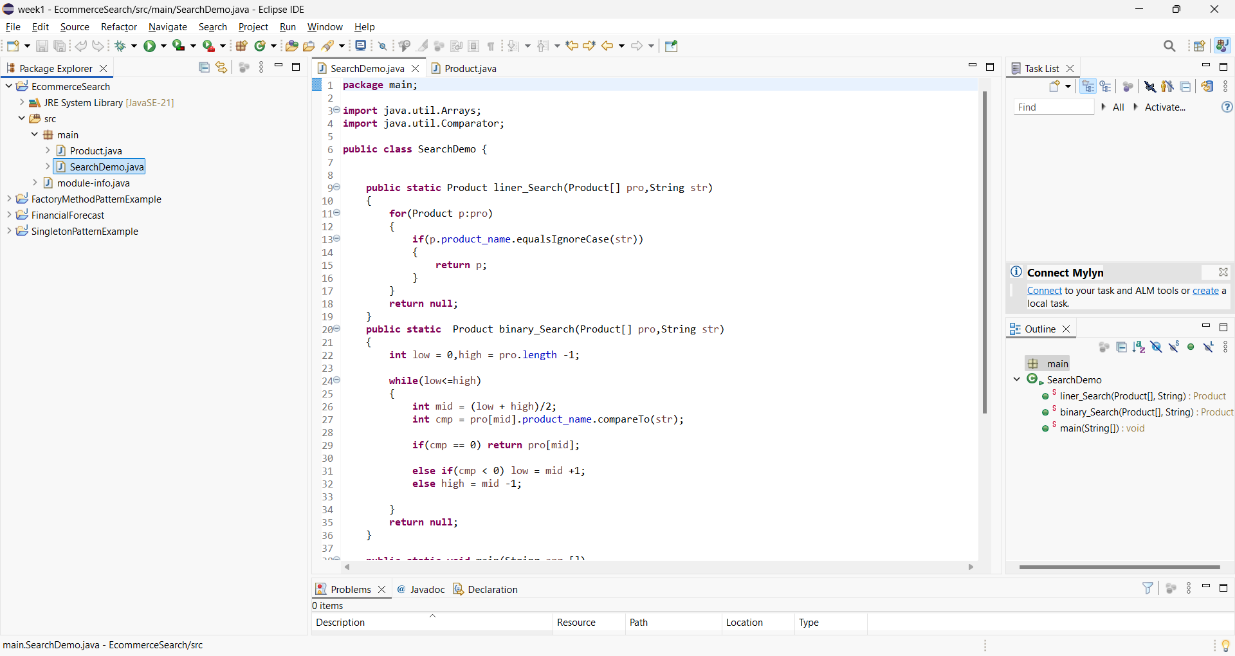


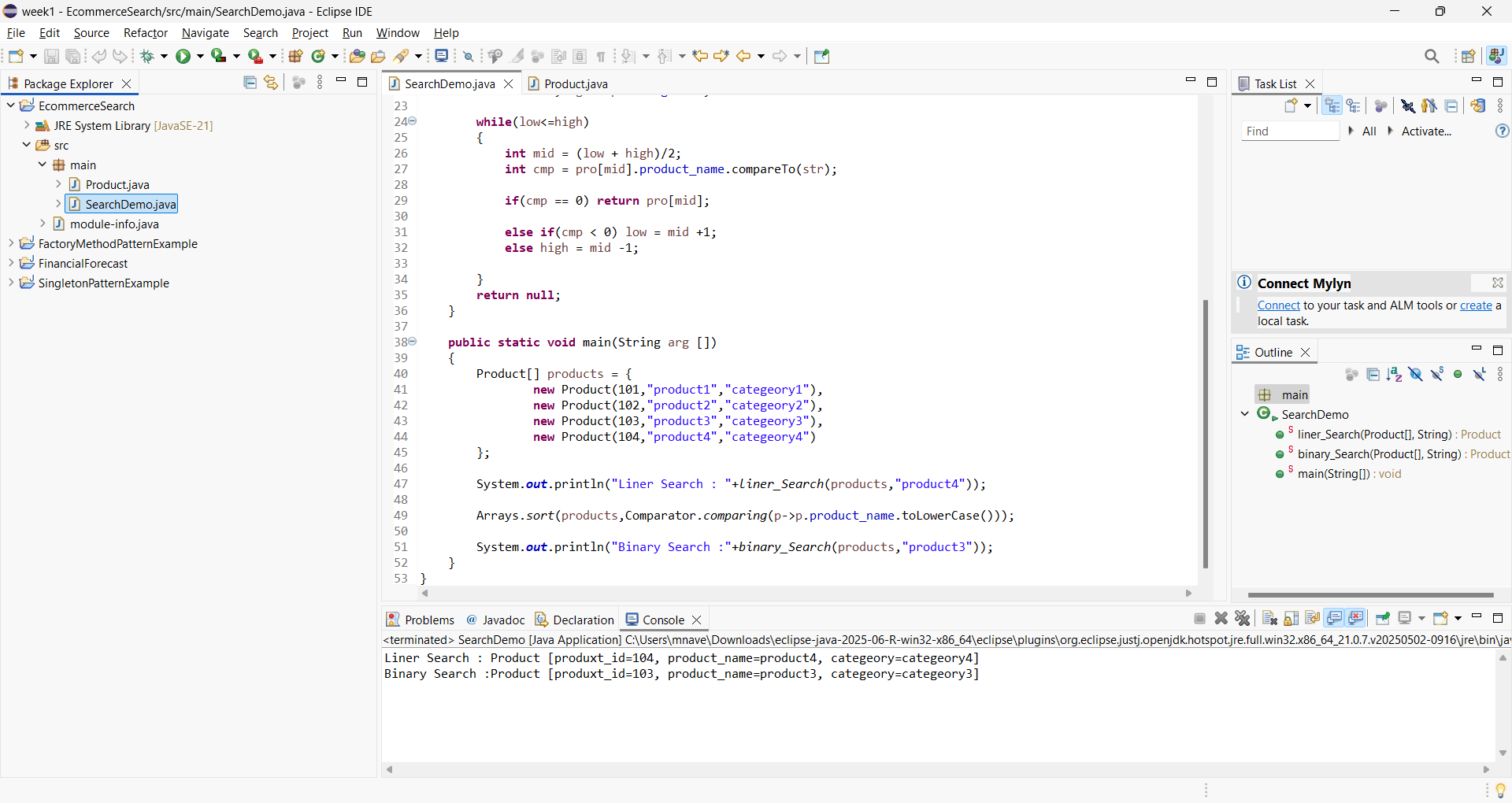
# Data Structures and Algorithms

3. E-commerce Platform Search Function:

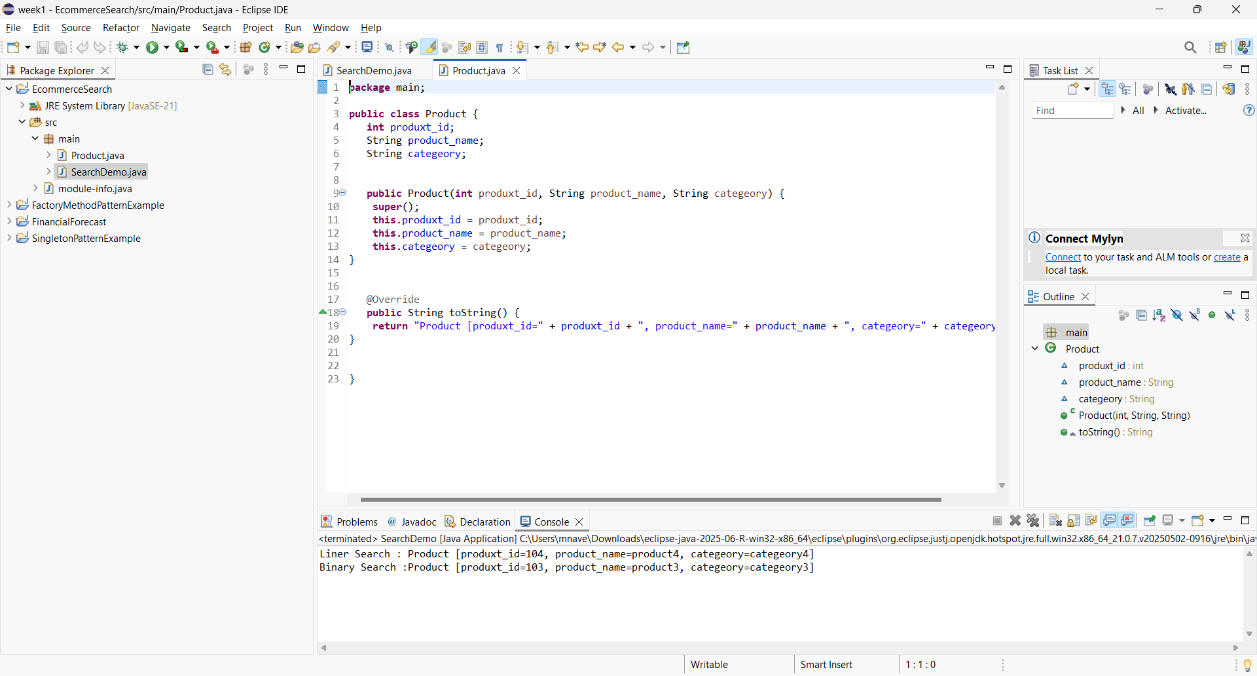
Product and SearchDemo:

Coding:





Output:



4. Financial Forecasting:

Coding and Output:

