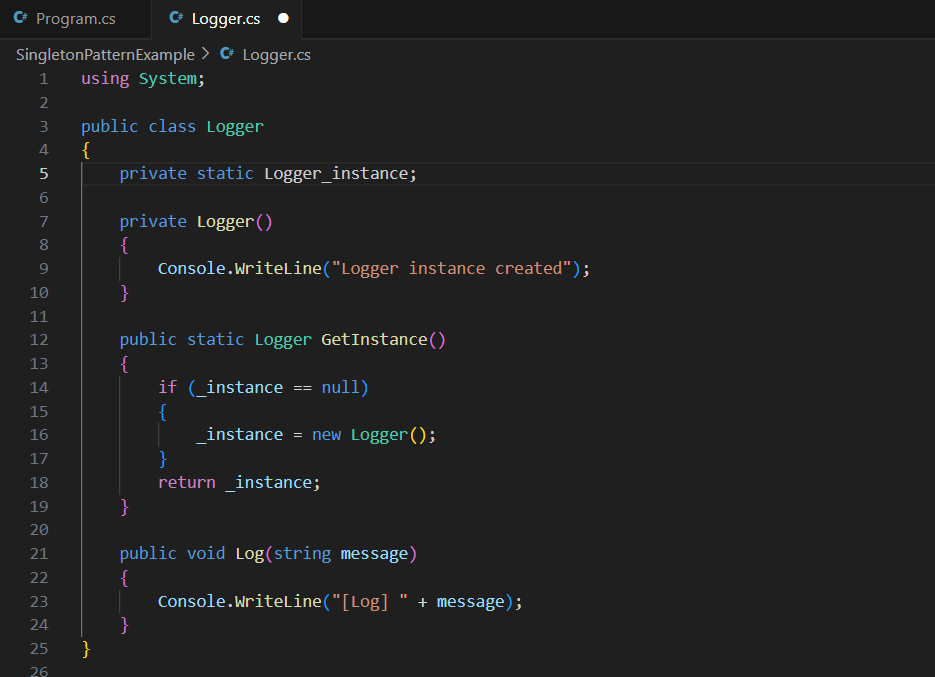
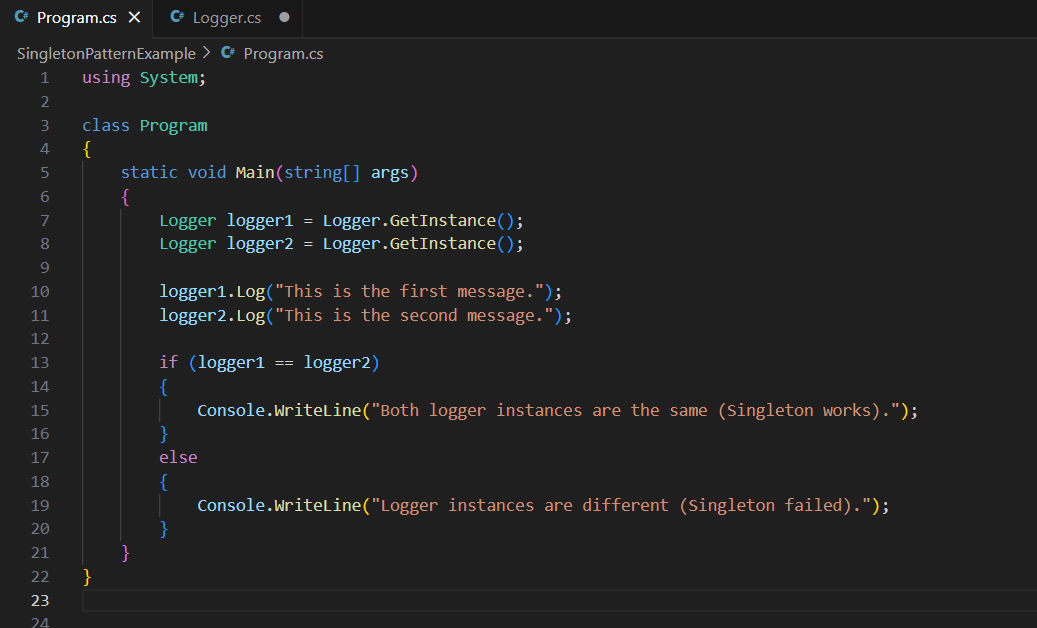
Cognizant Week-1 Hands-On Solutions:

Design Principles and Patterns

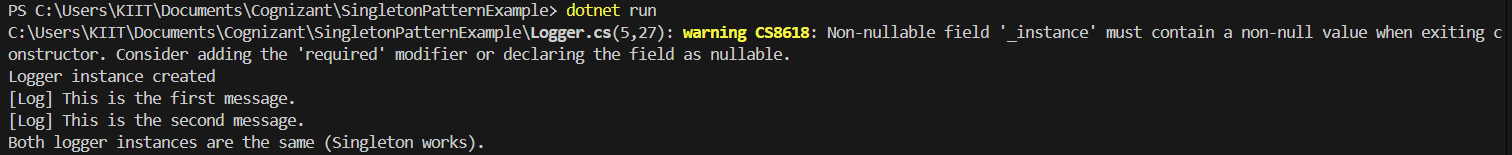
1. Implementing a singleton pattern

Code:



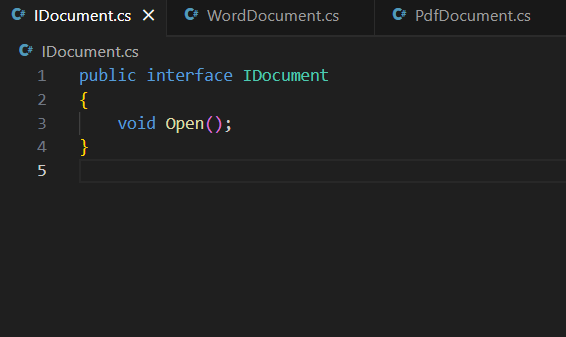


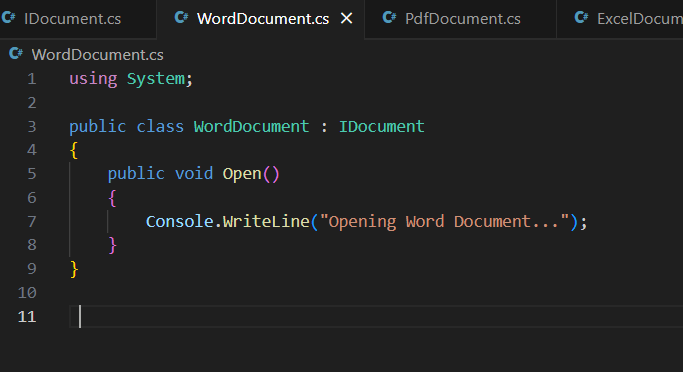
Output:

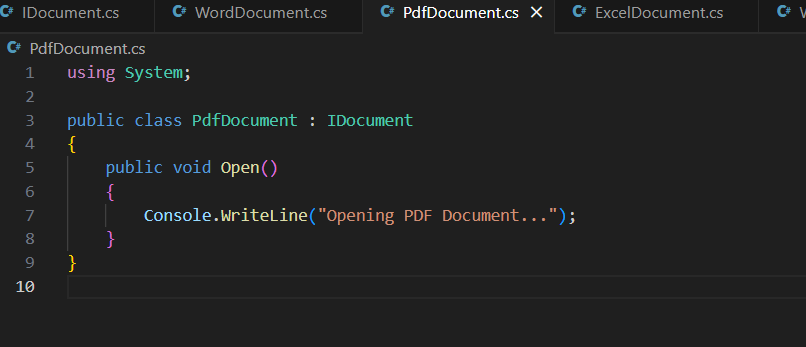


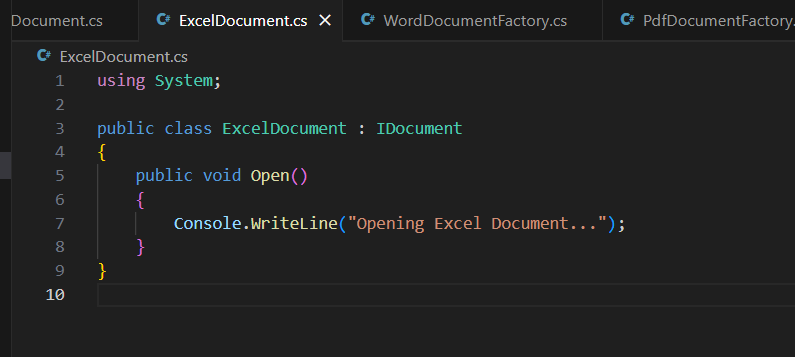
1. Implementing the Factory Method Pattern

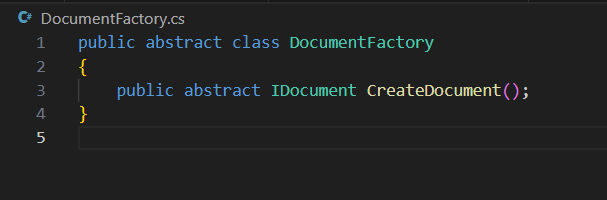
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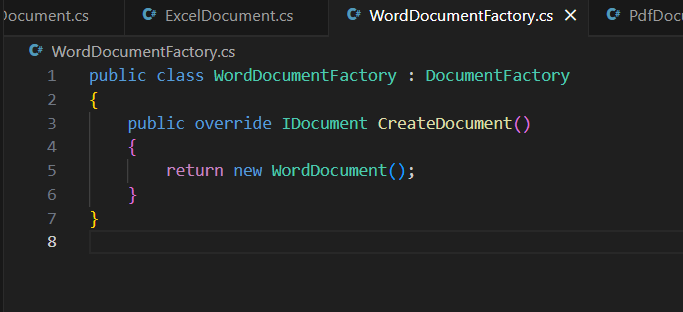


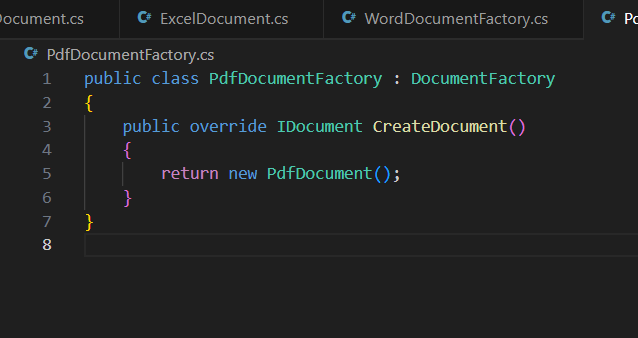


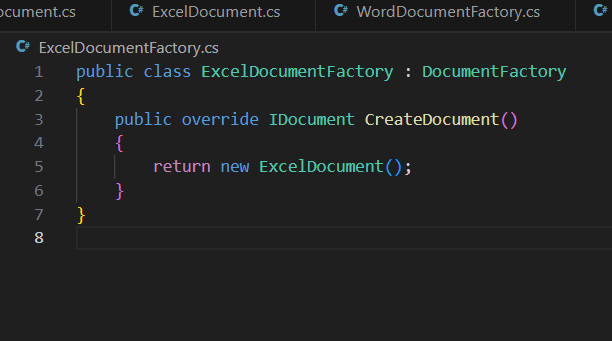


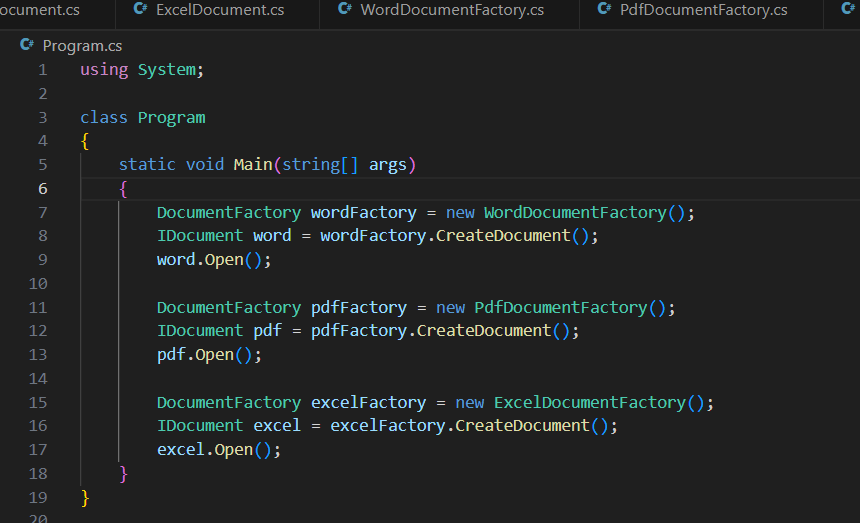




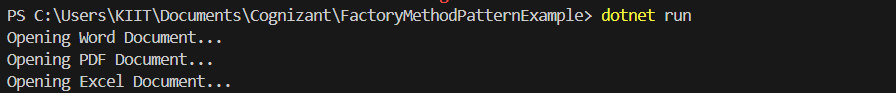








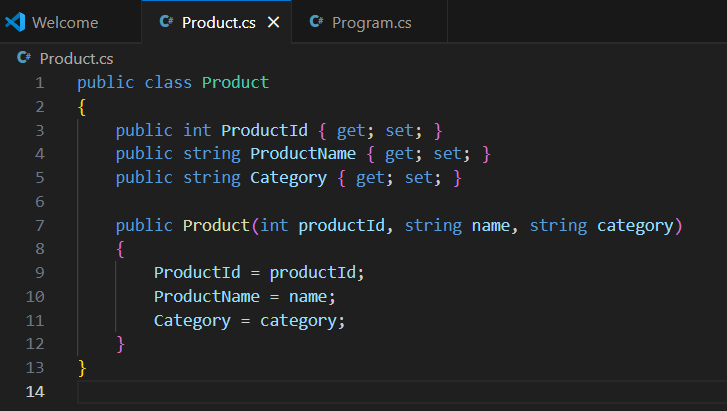
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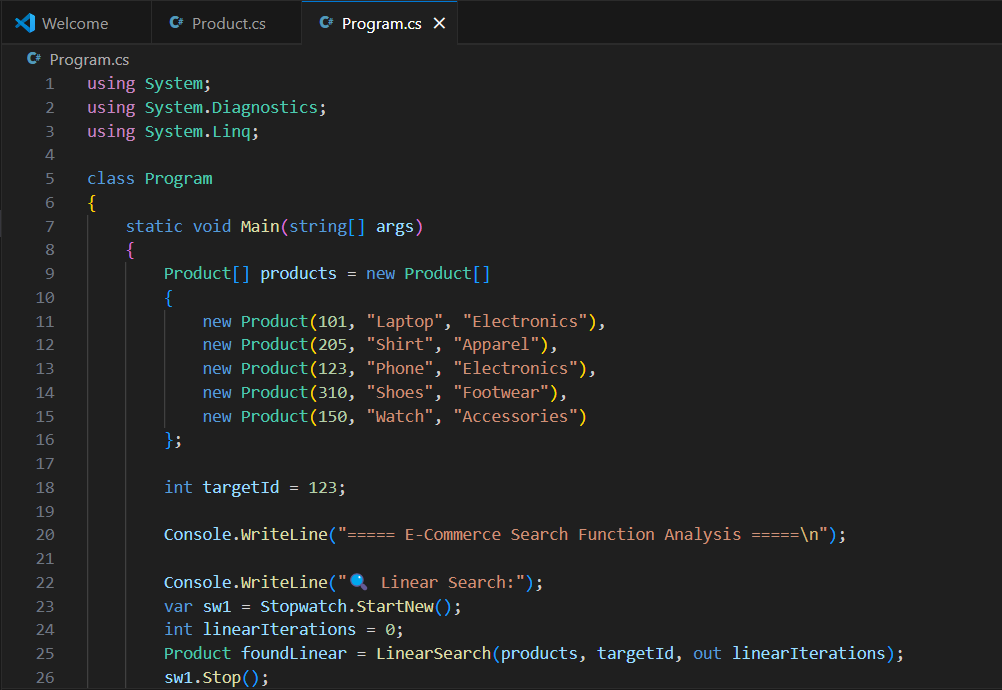


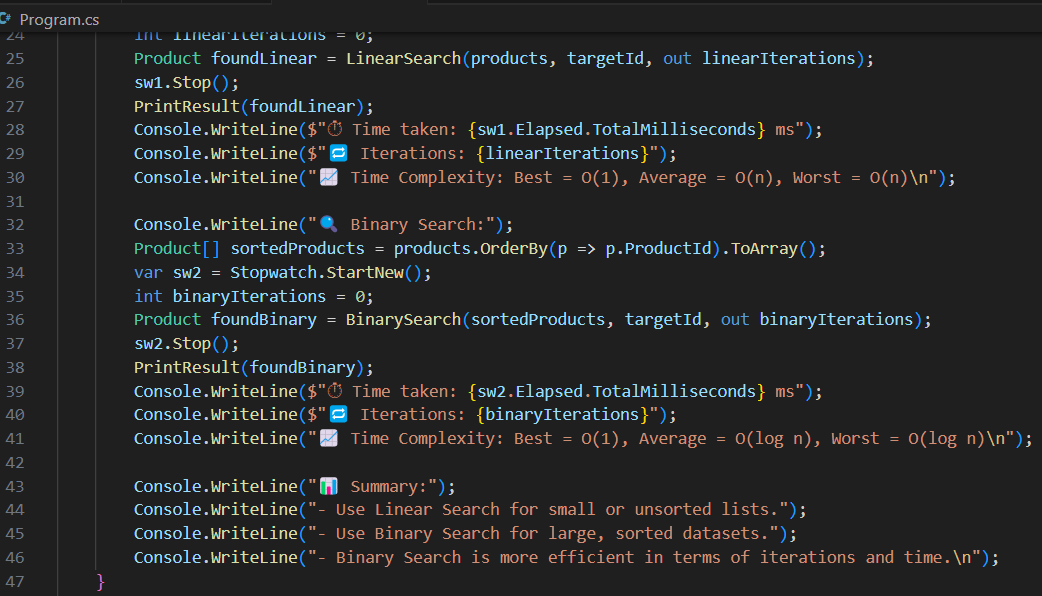
Data Structures and Algorithms

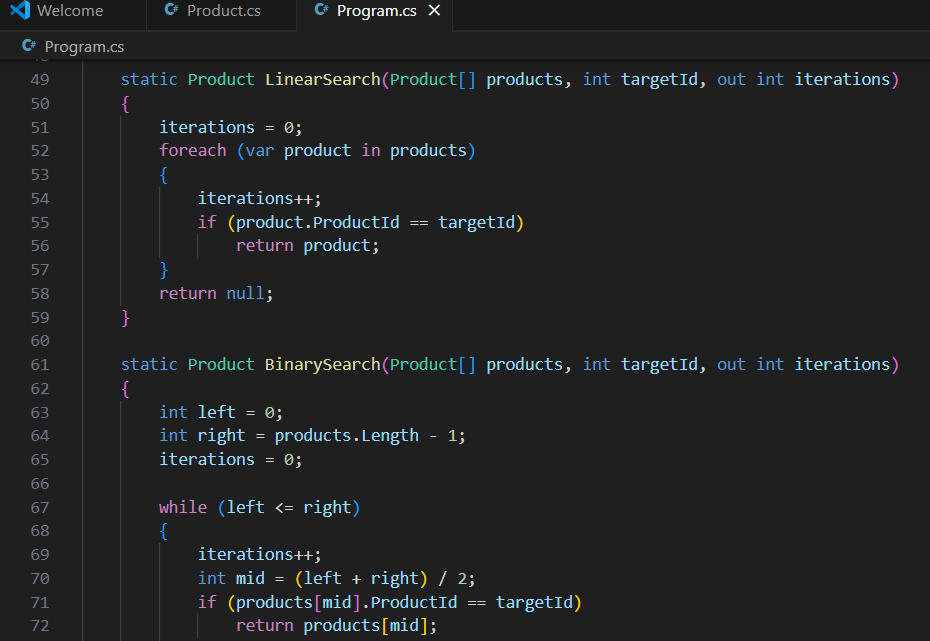
1. E-Commerce Platform Search Function

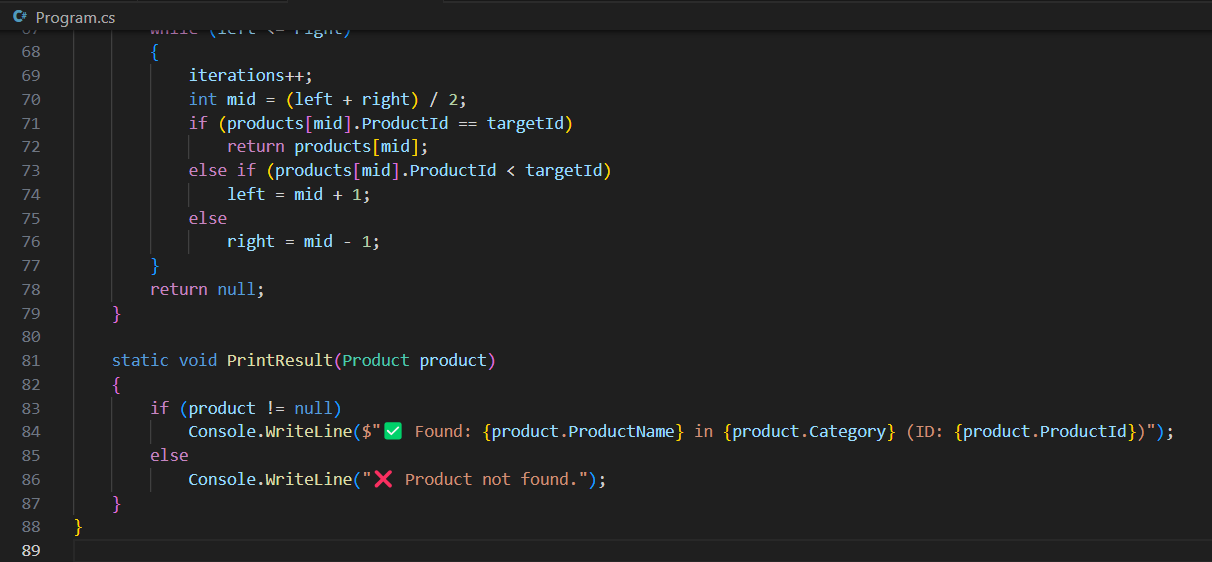
Code:



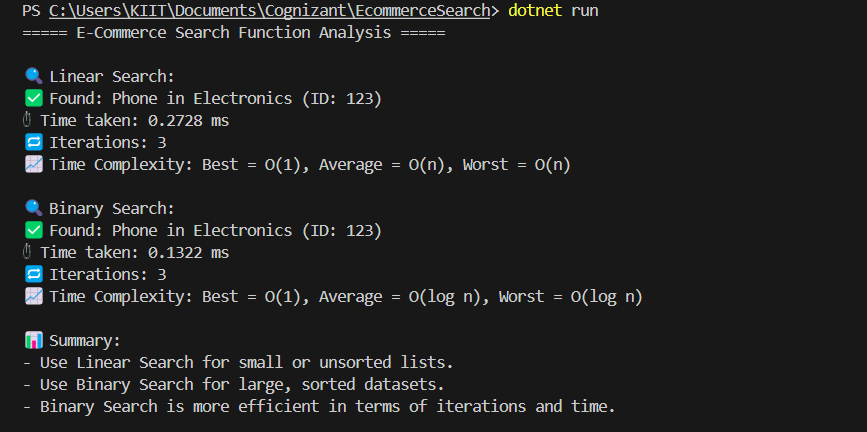






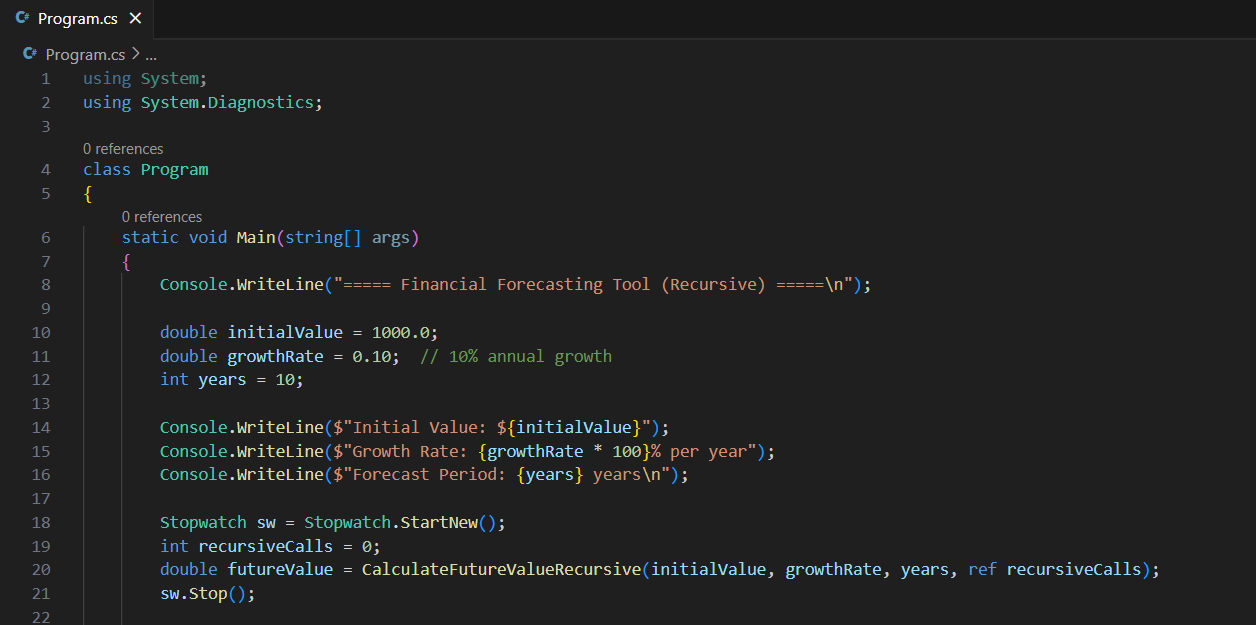


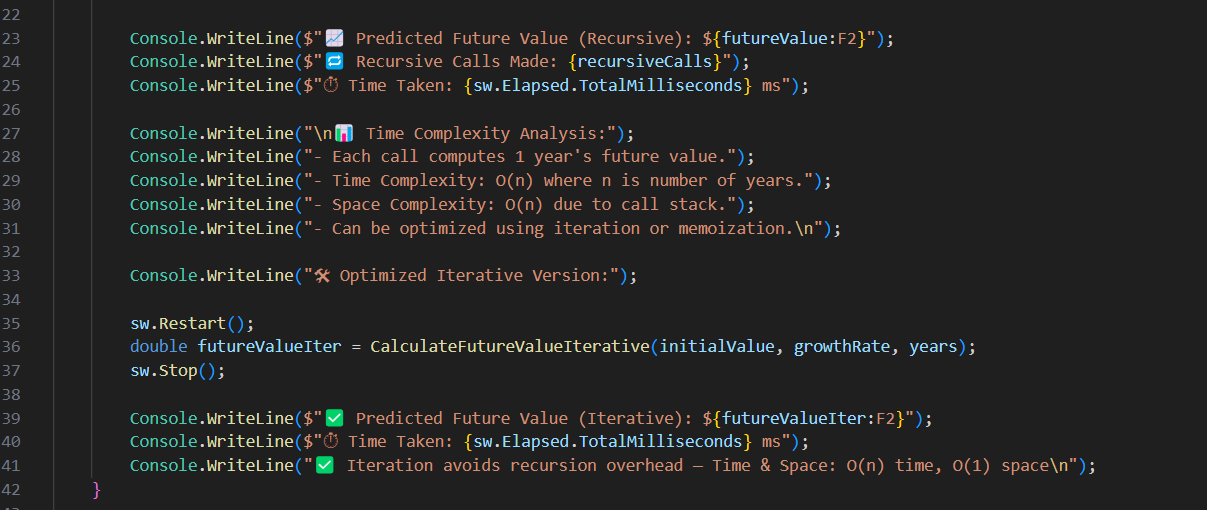
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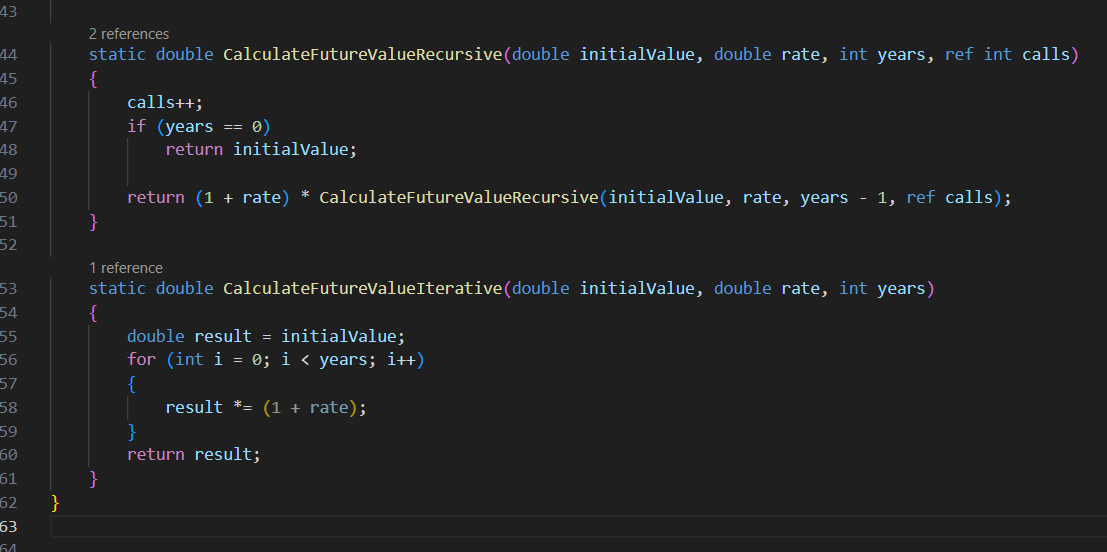


1. Financial Forecasting

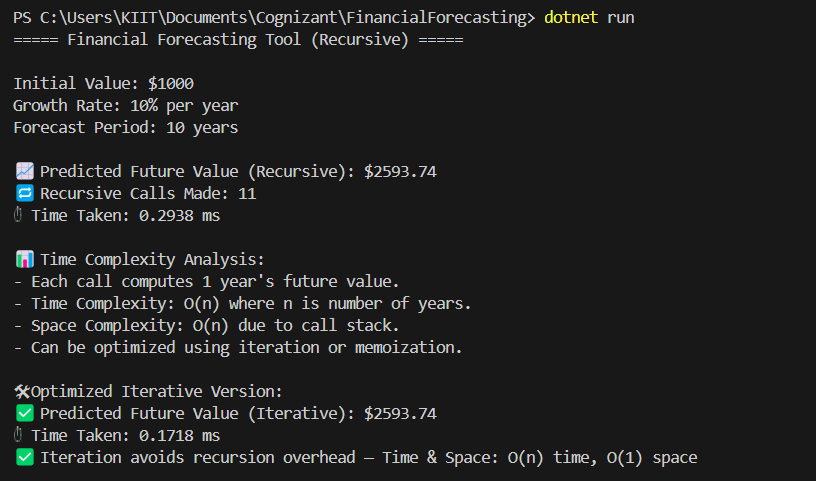
Code:







Output:



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