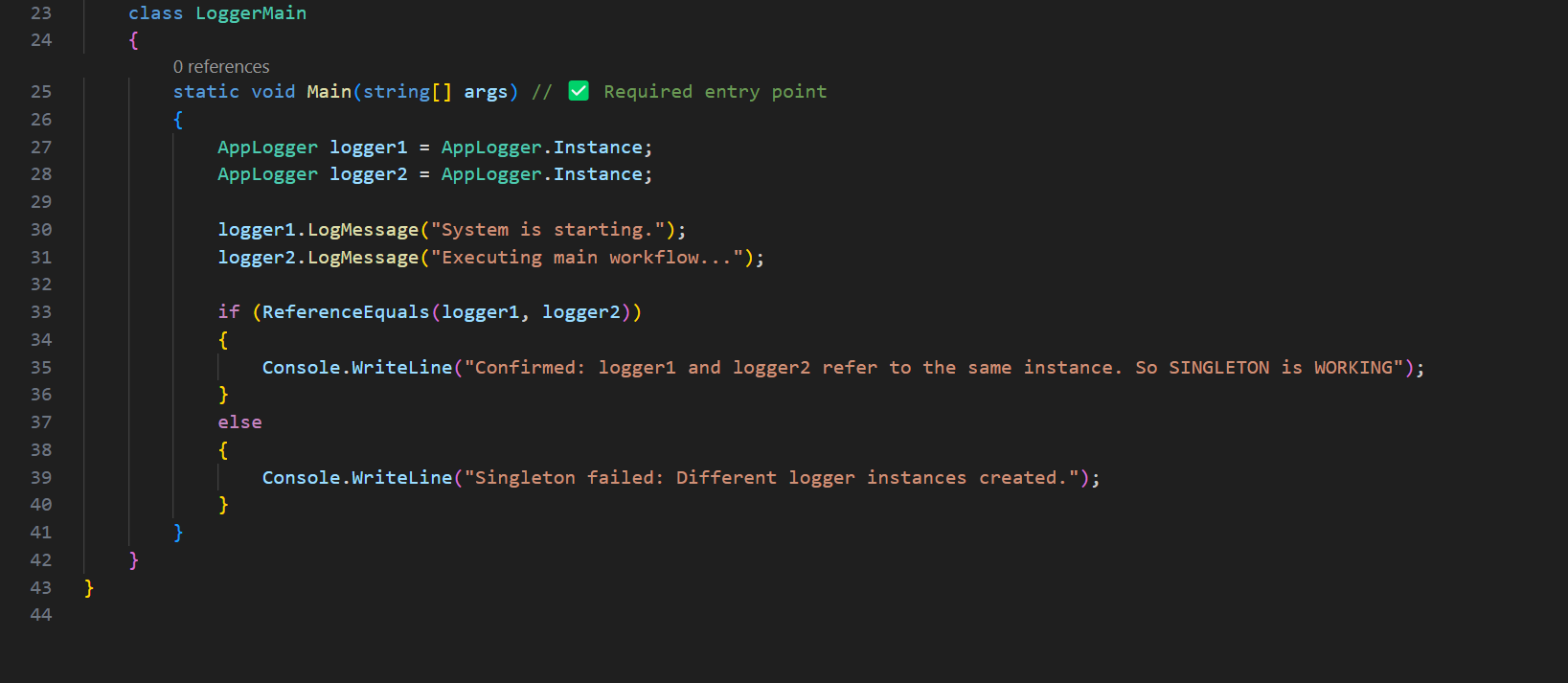
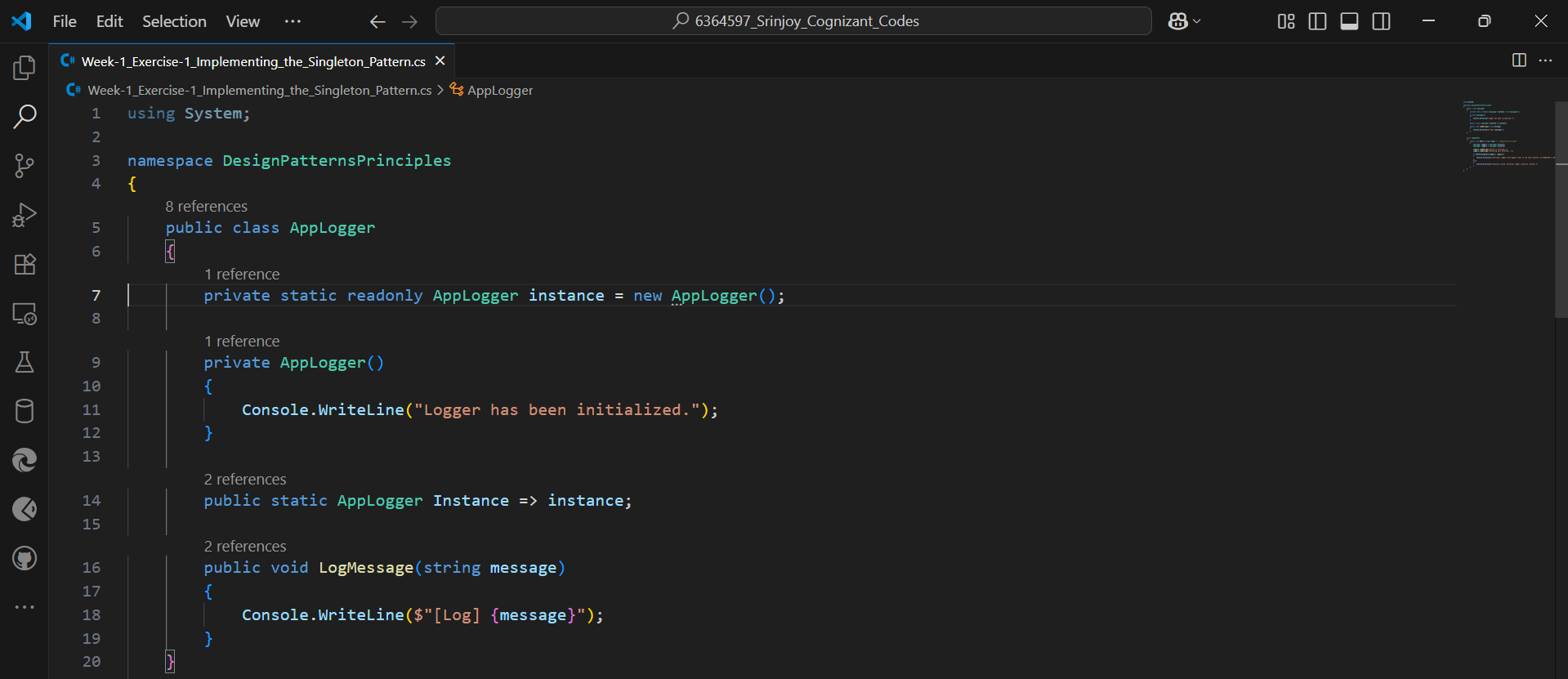
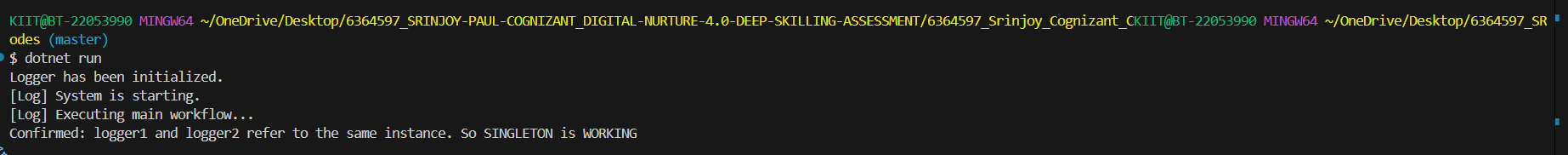
**SUPERSET -ID: 6364597  
NAME: SRINJOY PAUL**

**WEEK -1 DESIGN PATTERNS AND PRINCIPLES   
HANDSON**

**Exercise 1: Implementing the Singleton Pattern:**

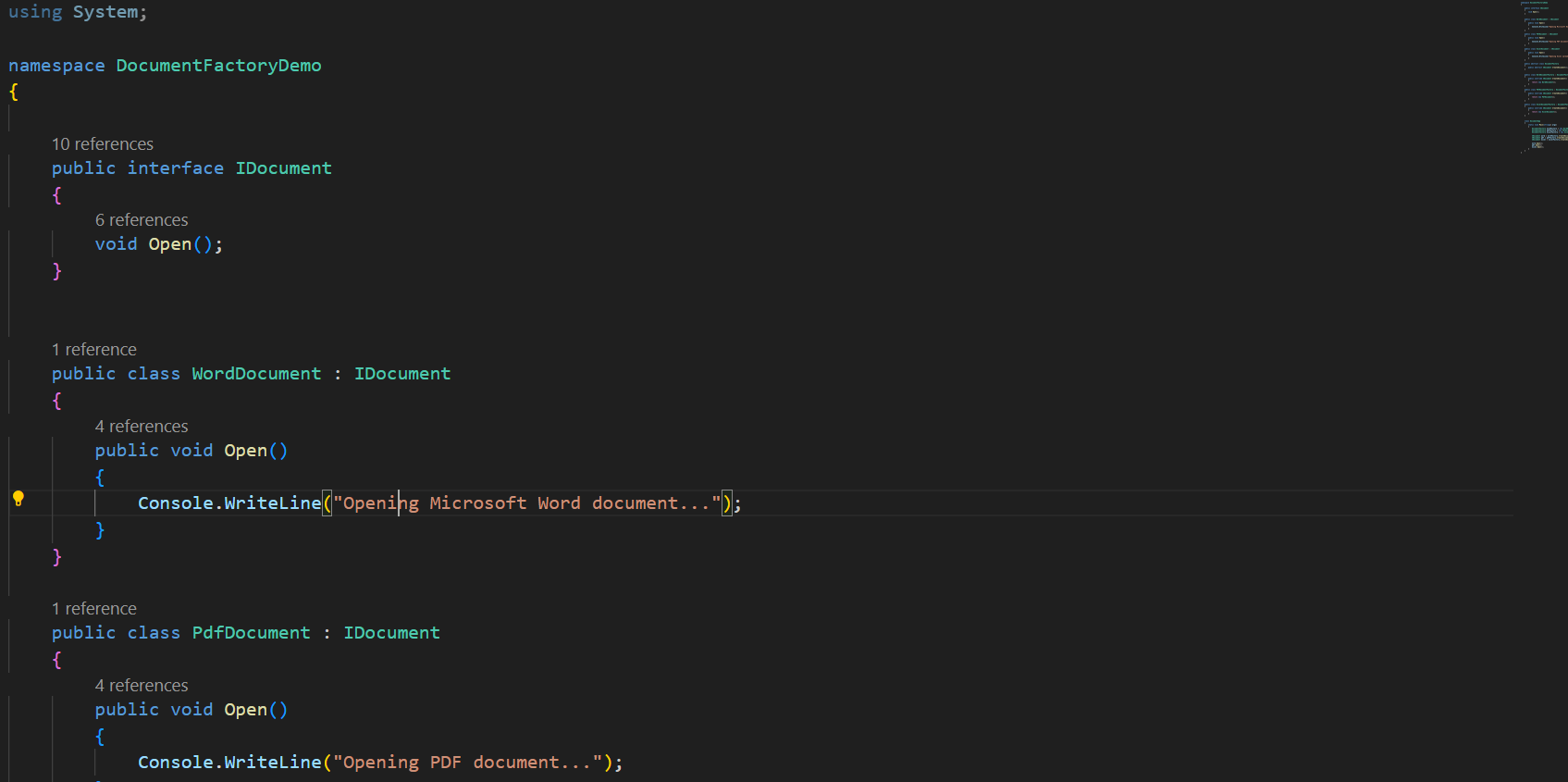
**CODE:-**

**Output:**

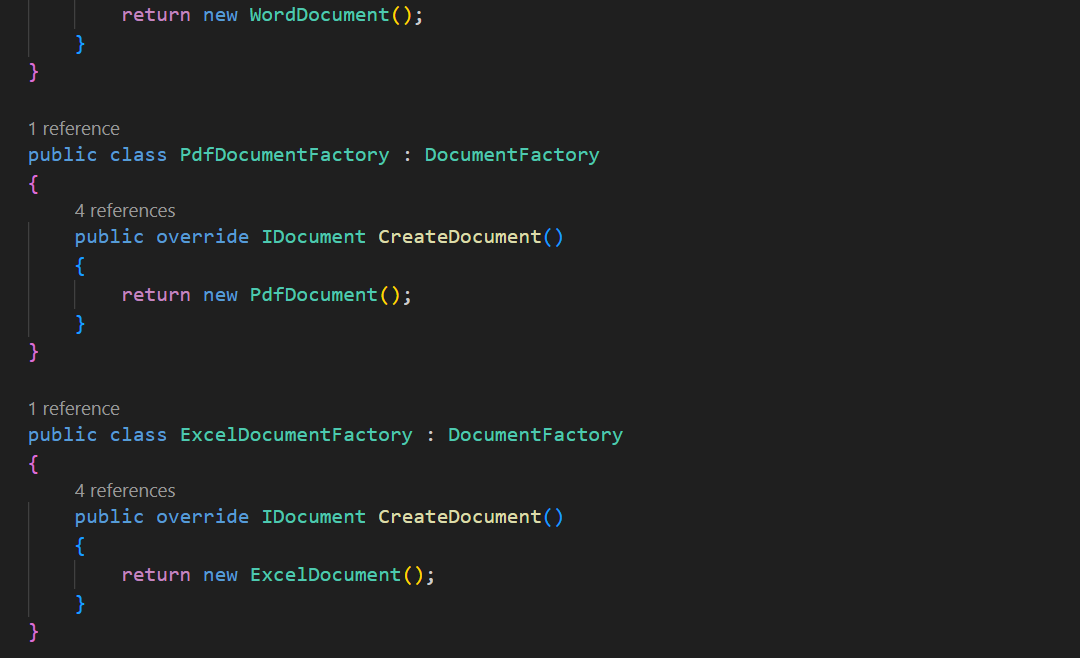
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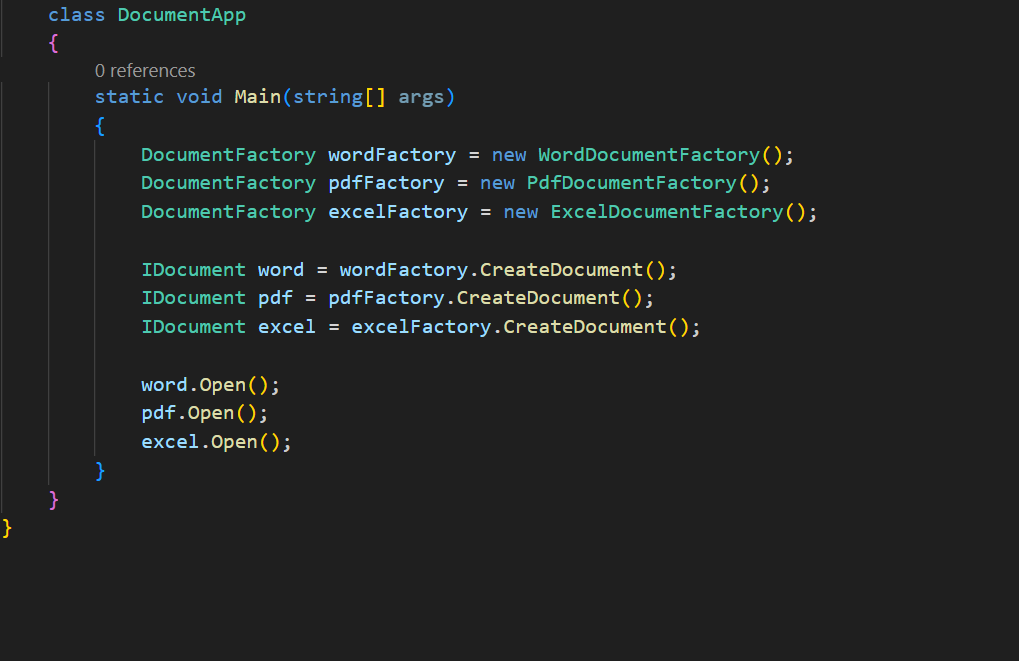
**Exercise 2: Implementing the Factory Method Pattern:**

**Code:**









**Output:**