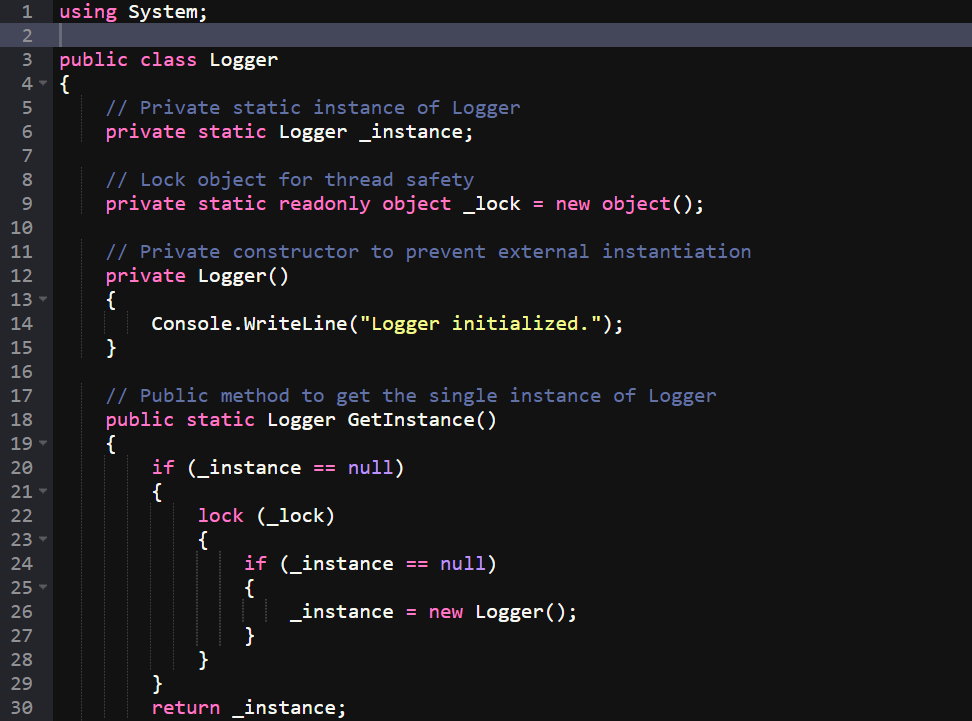
**Name:** Manu Rajesh Naik

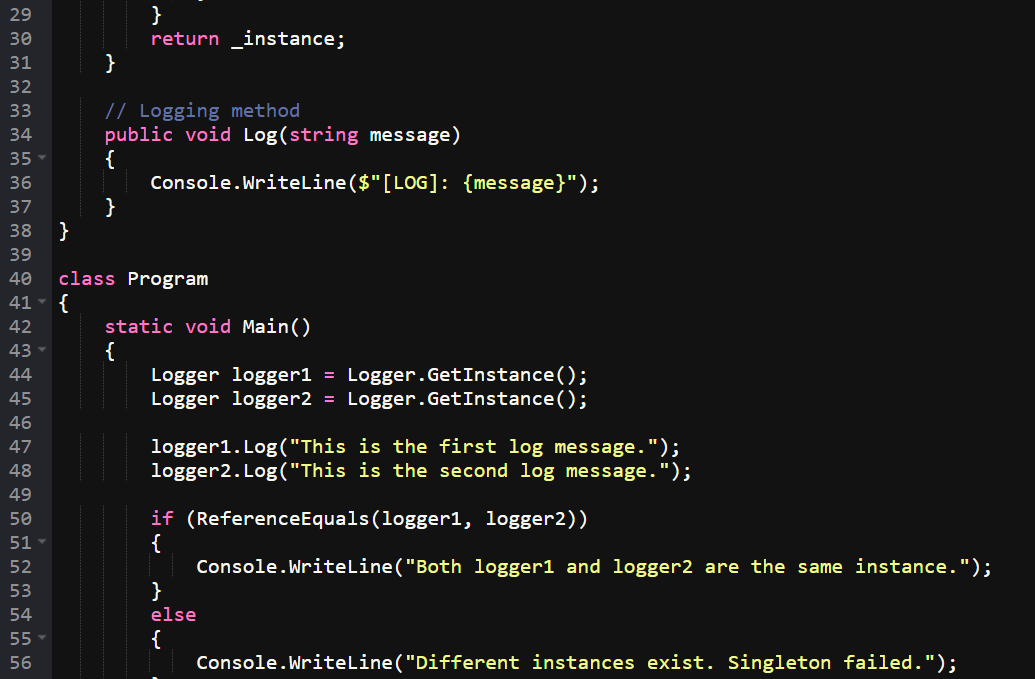
**Superset ID:** 6365342

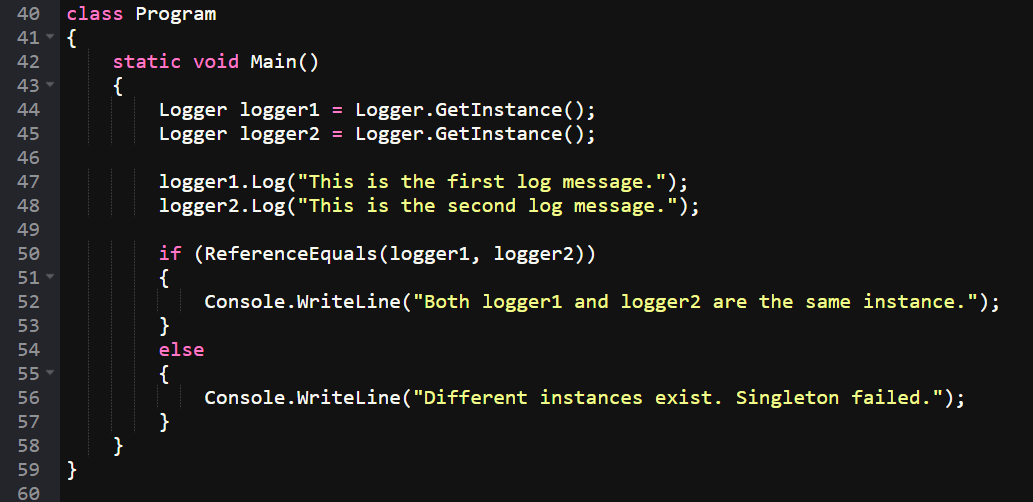
***Design Principal and Patterns***

**Exercise 1: Implementing the Singleton Pattern**

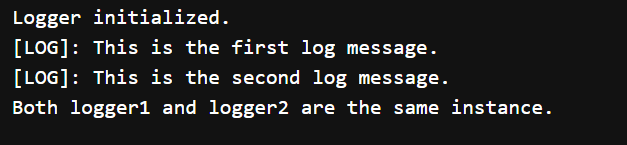
Input:





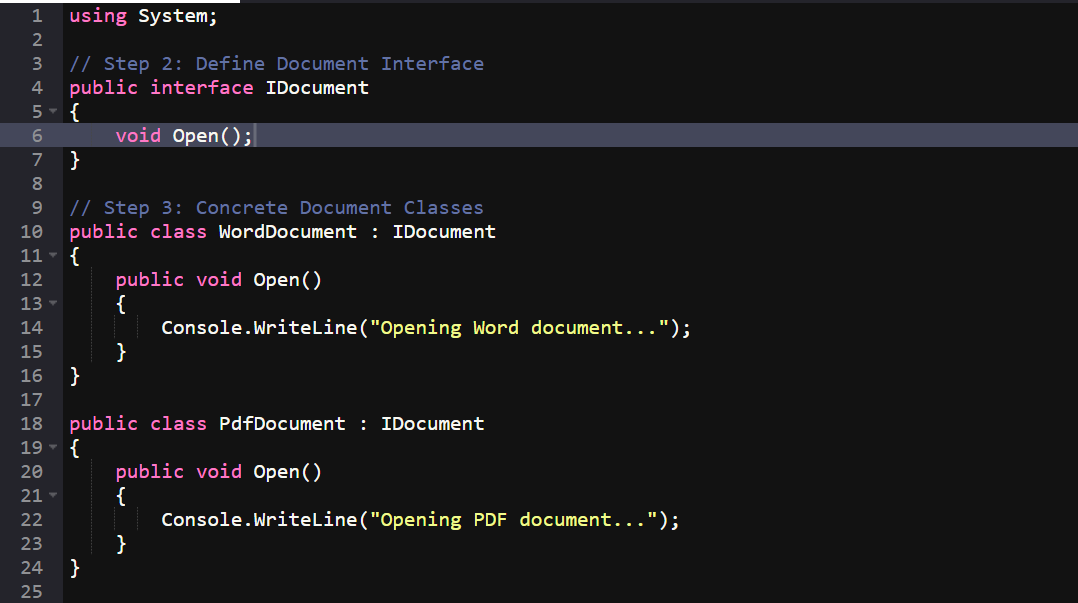


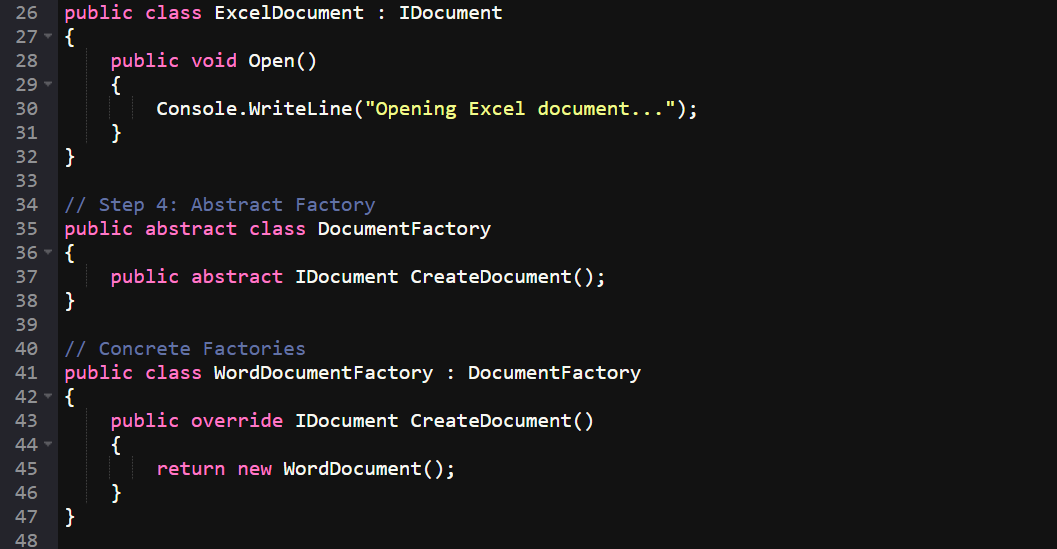
Output:

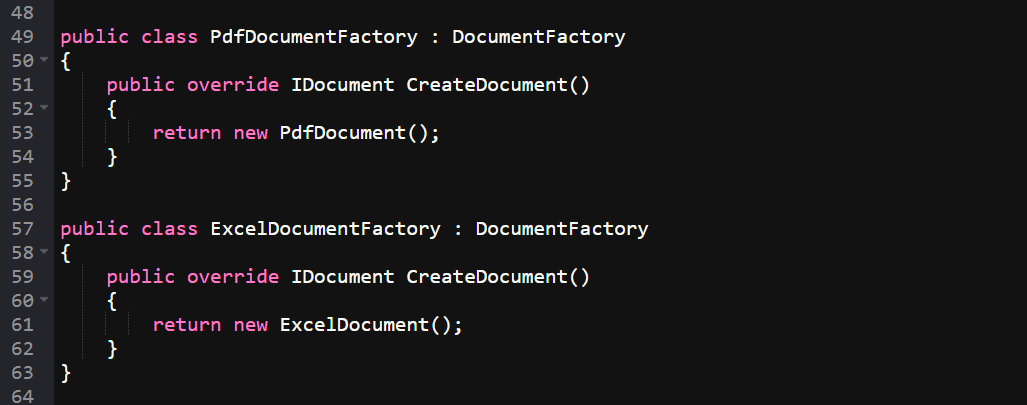


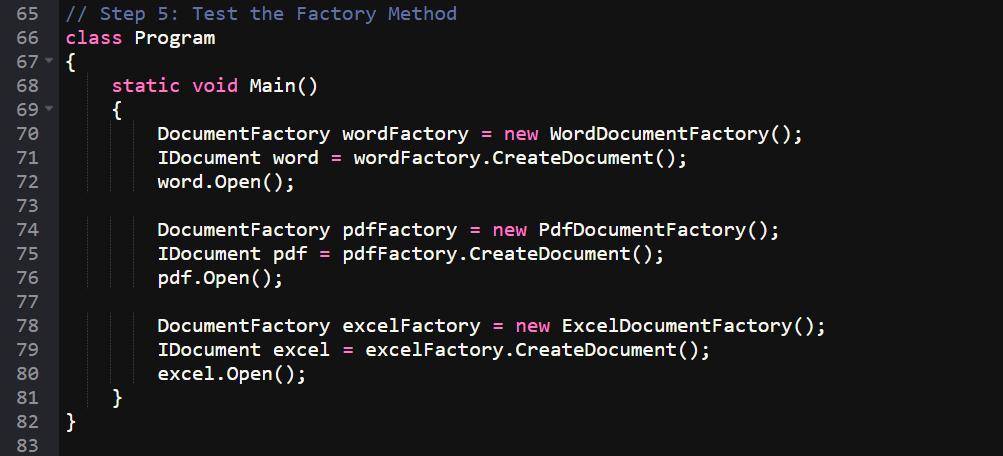
**Exercise 2: Implementing the Factory Method Pattern**

Input:









Output:

