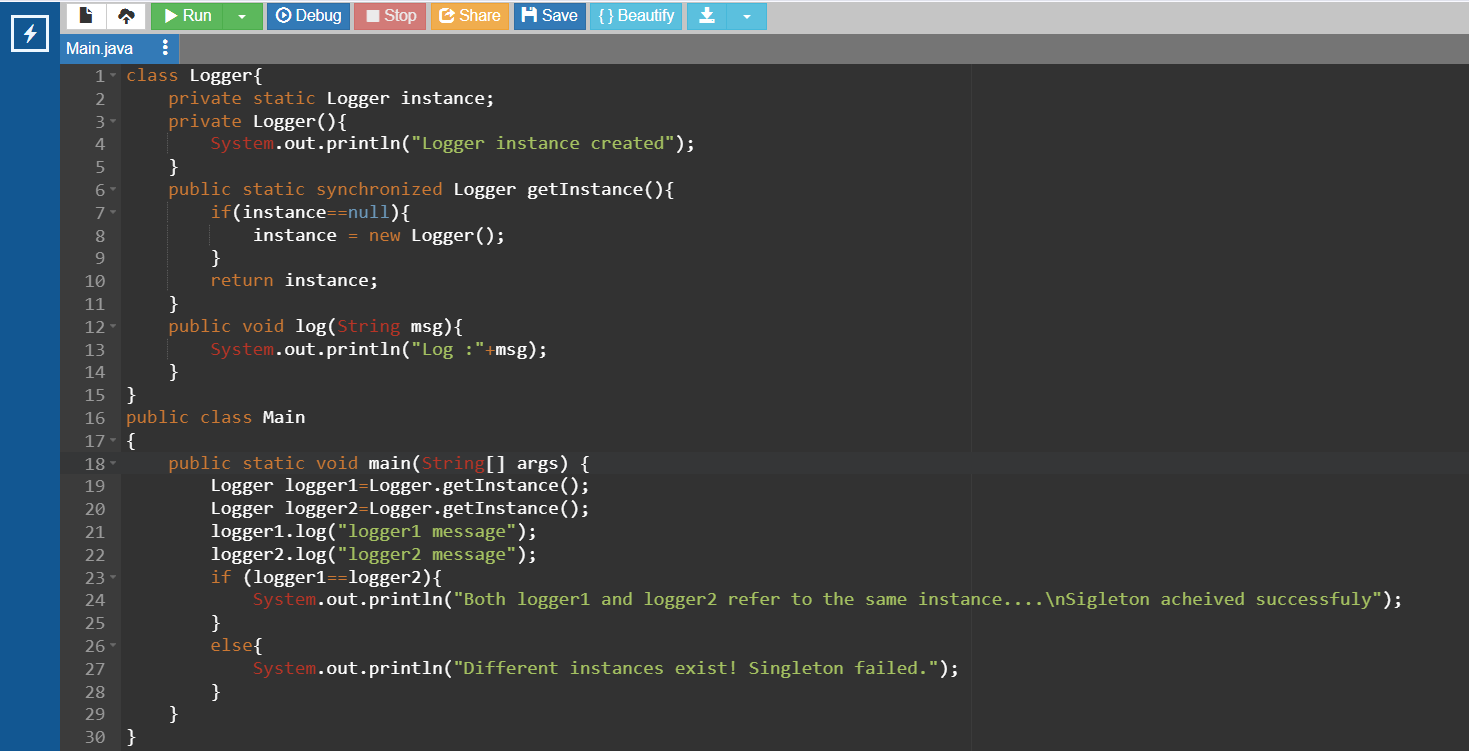
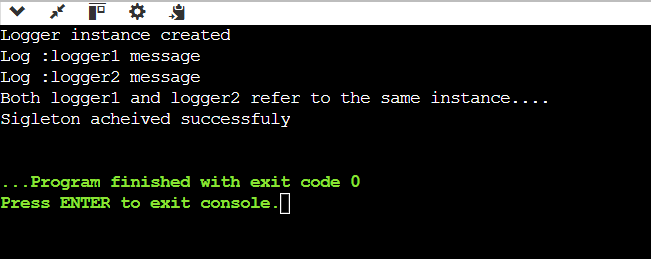
**Week -1 Design Principles and Patterns Mandatory HandsOn Solutions**

**Exercise 1: Implementing the Singleton Pattern**

**Source code**:



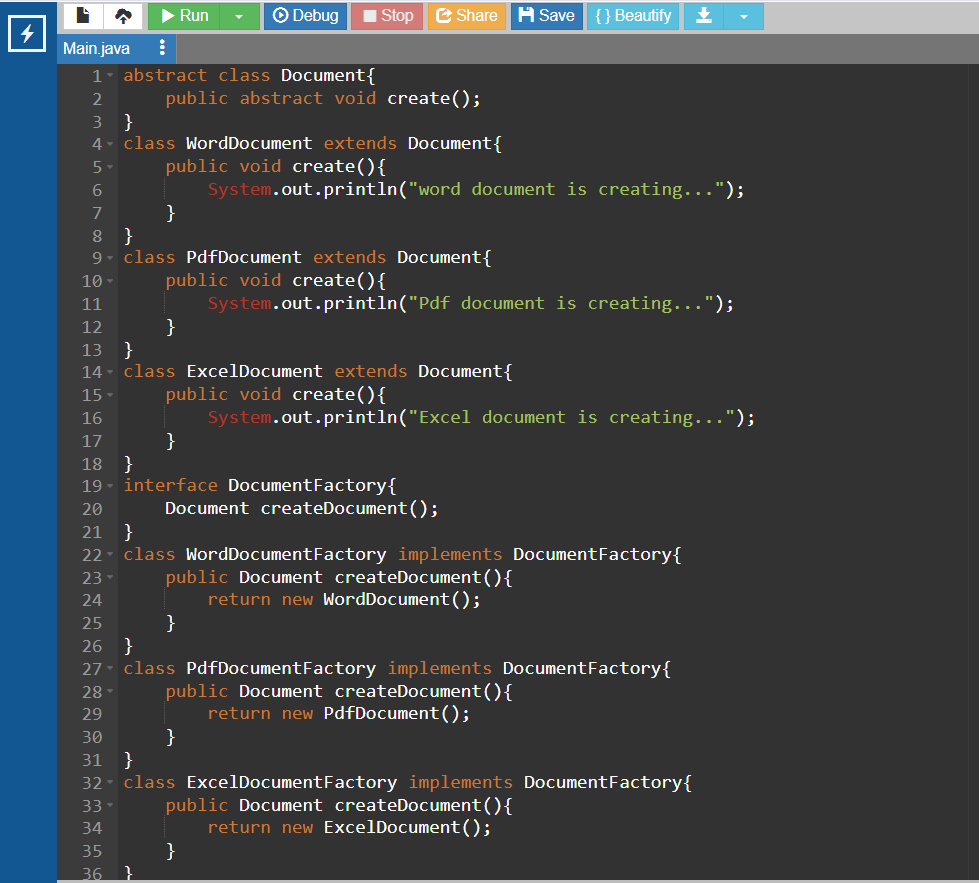
**Output:**

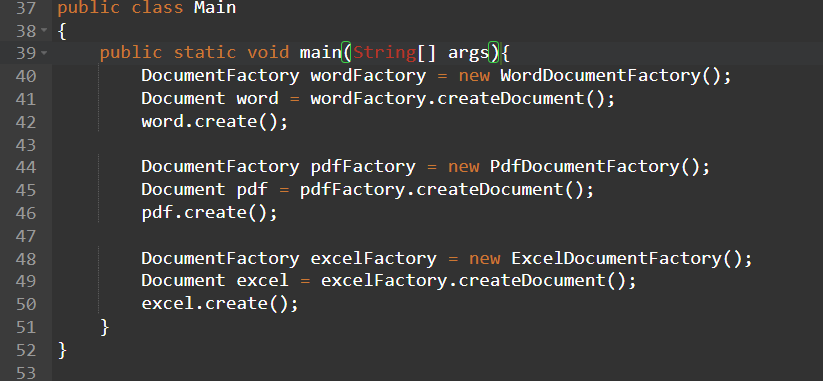
****

**Design Principles and Patterns**

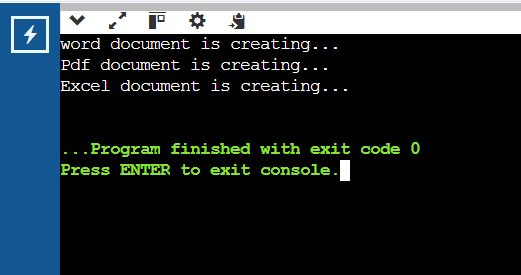
**Exercise 2: Implementing the Factory Method Pattern**

**Source code:**

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**Output:**

****