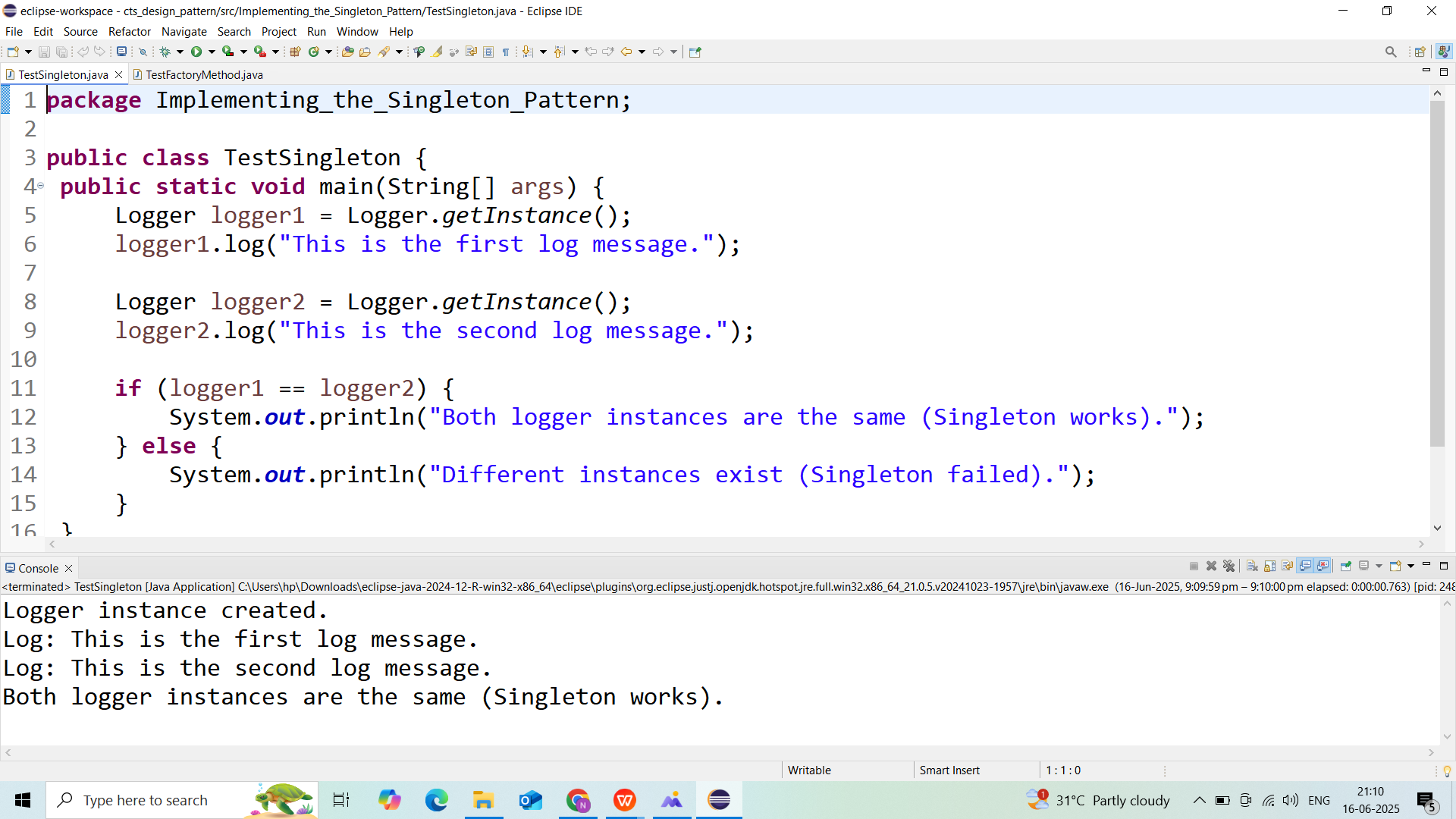
**Exercise 1: Implementing the Singleton Pattern**

**Output:**



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

**Output:**

