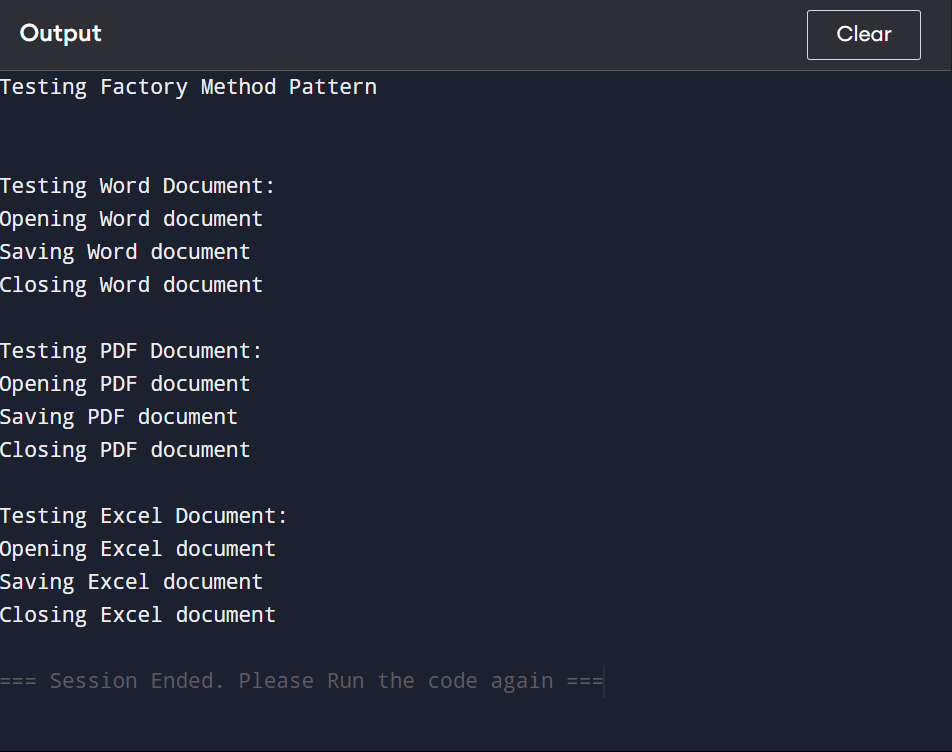
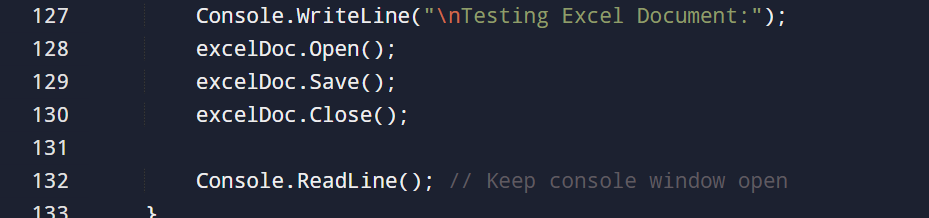
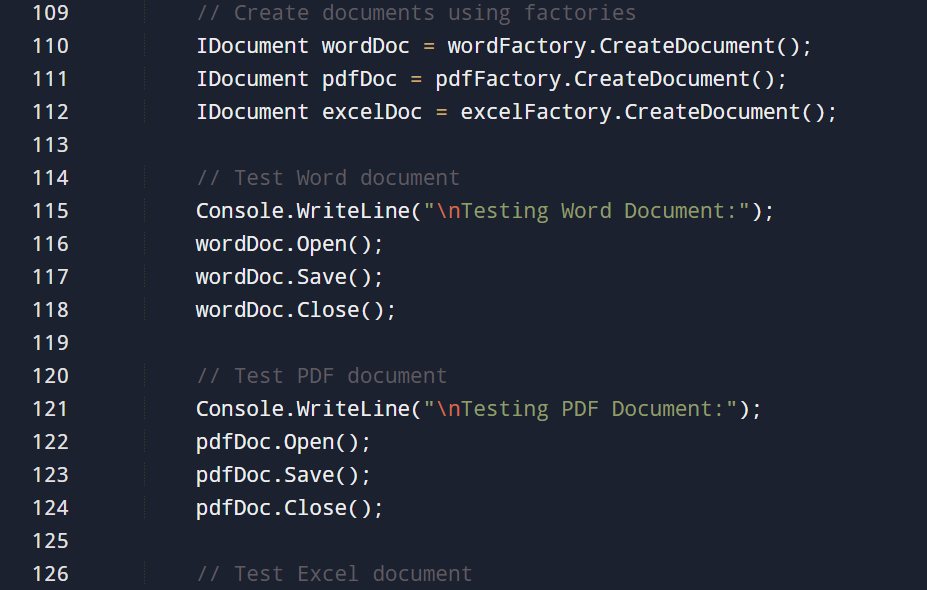
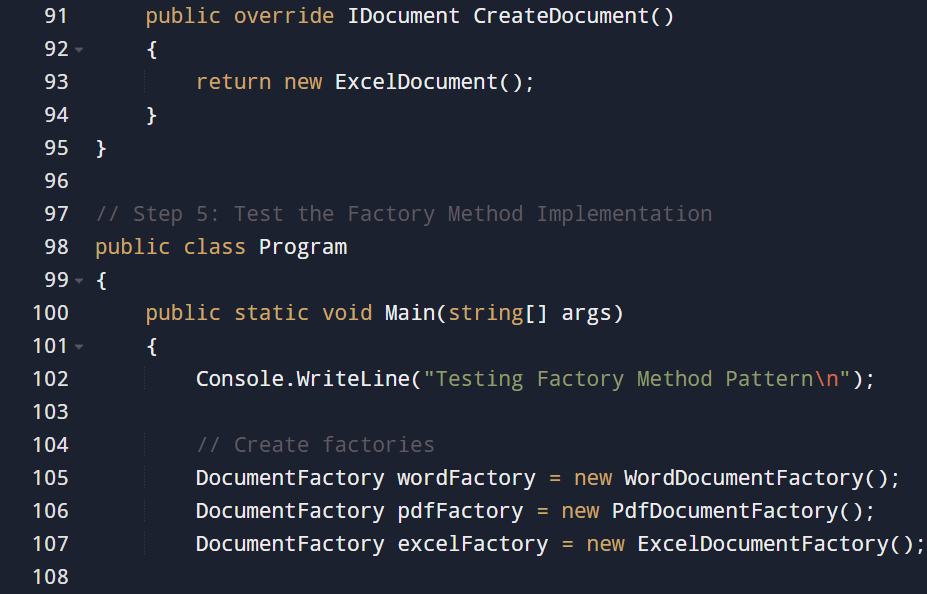
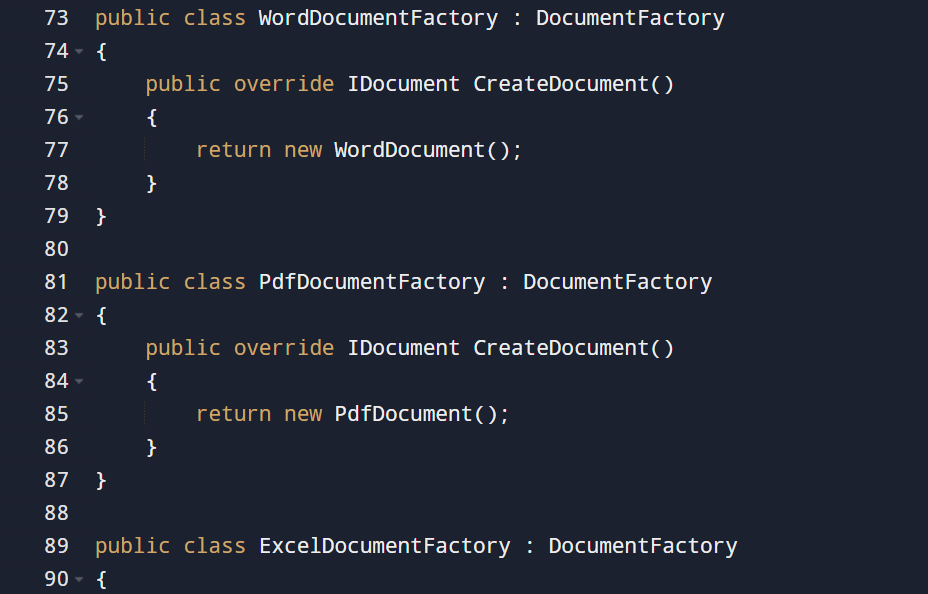
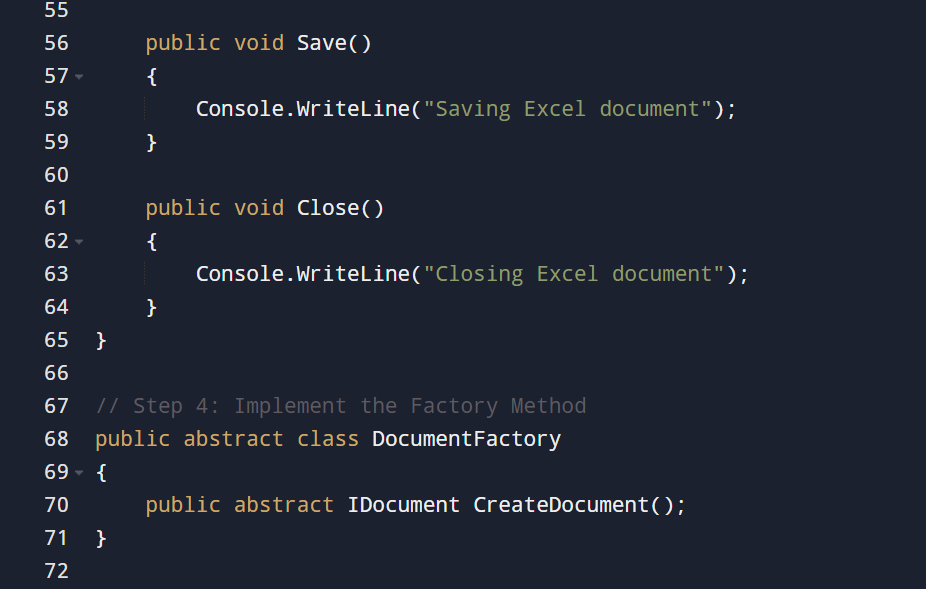
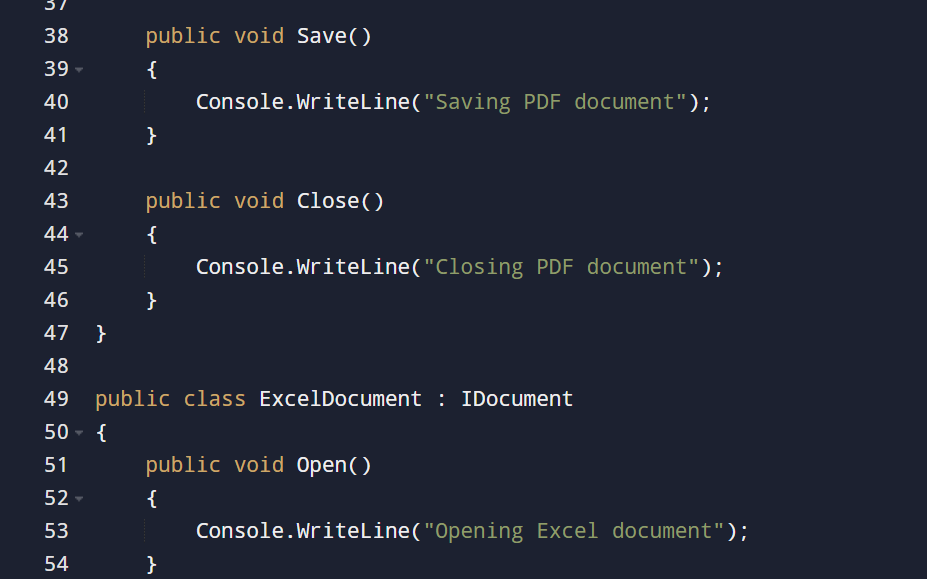
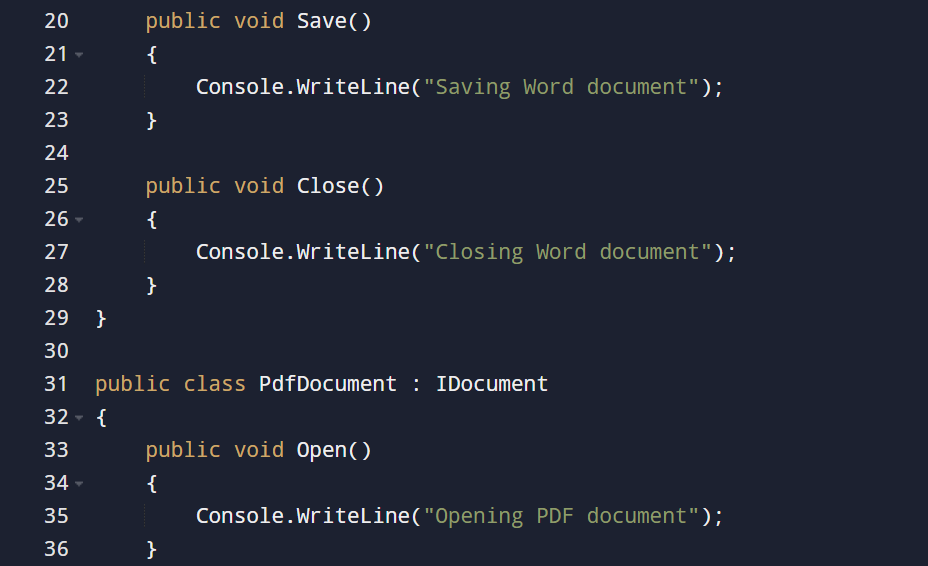
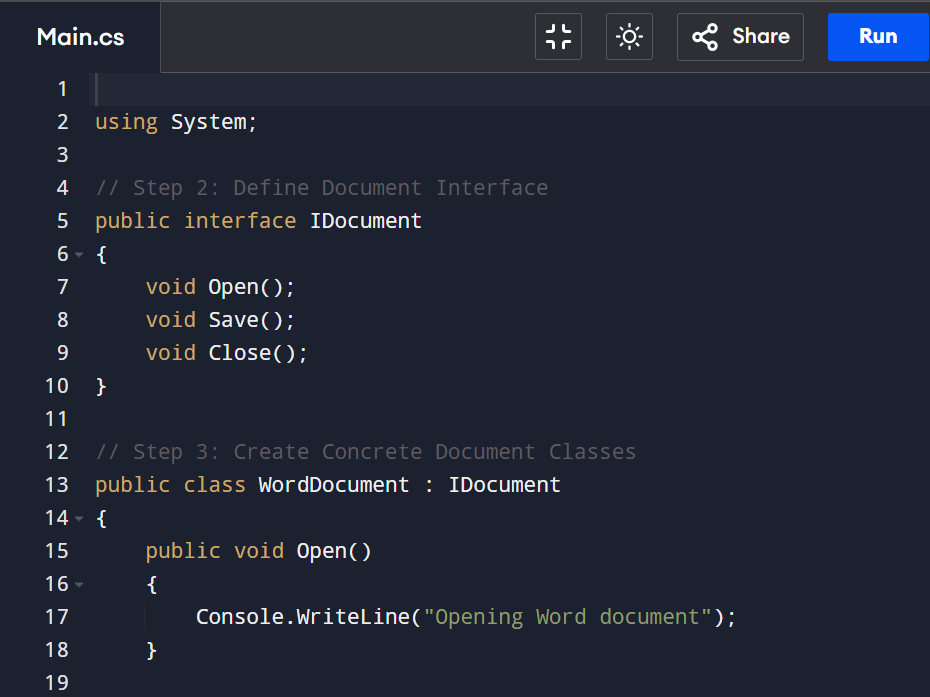
**Name:** Kanishk Vardhan Singh

**Superset ID:** 6365335

**Design Principal and Patterns:**

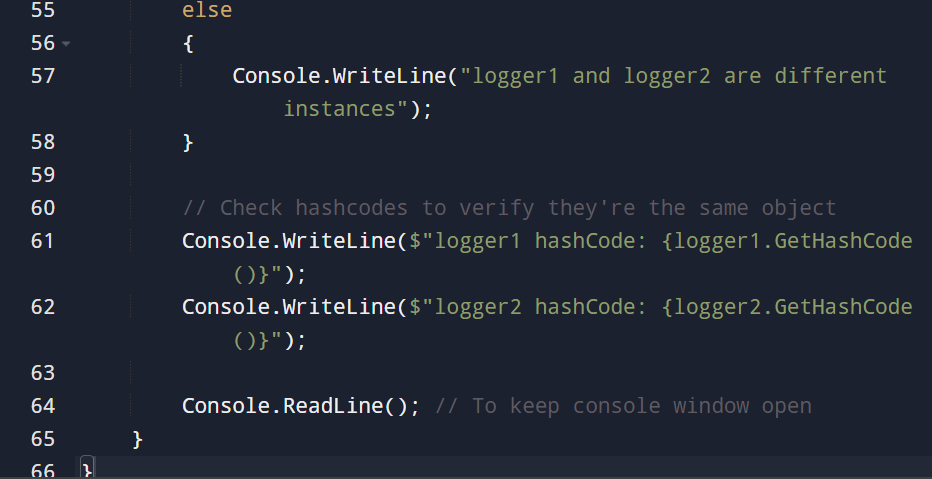
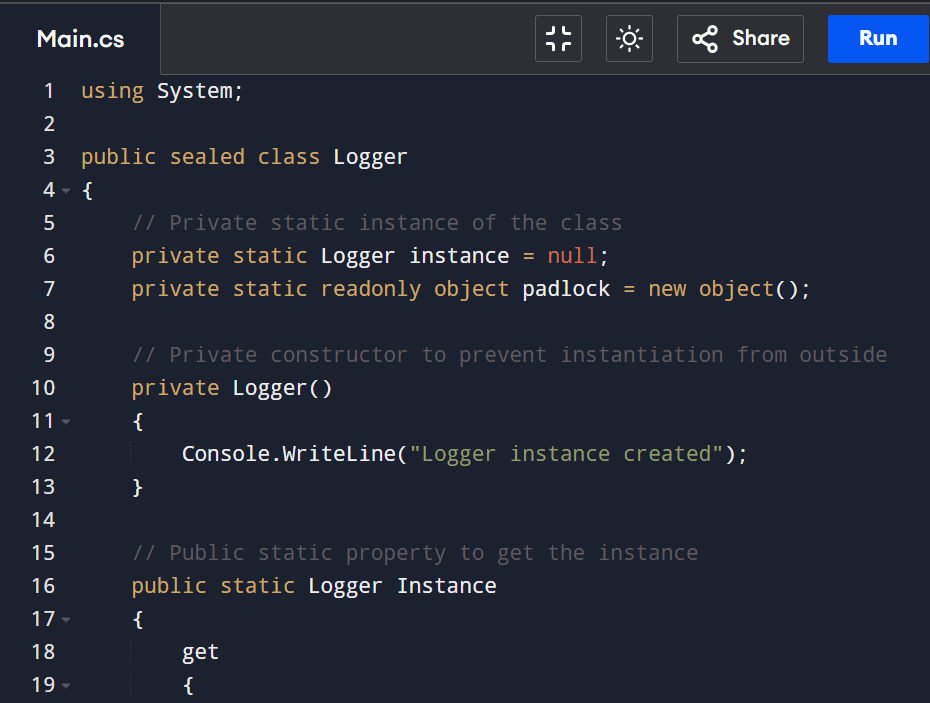
**Exercise-1 : Implementing the Factory Method**

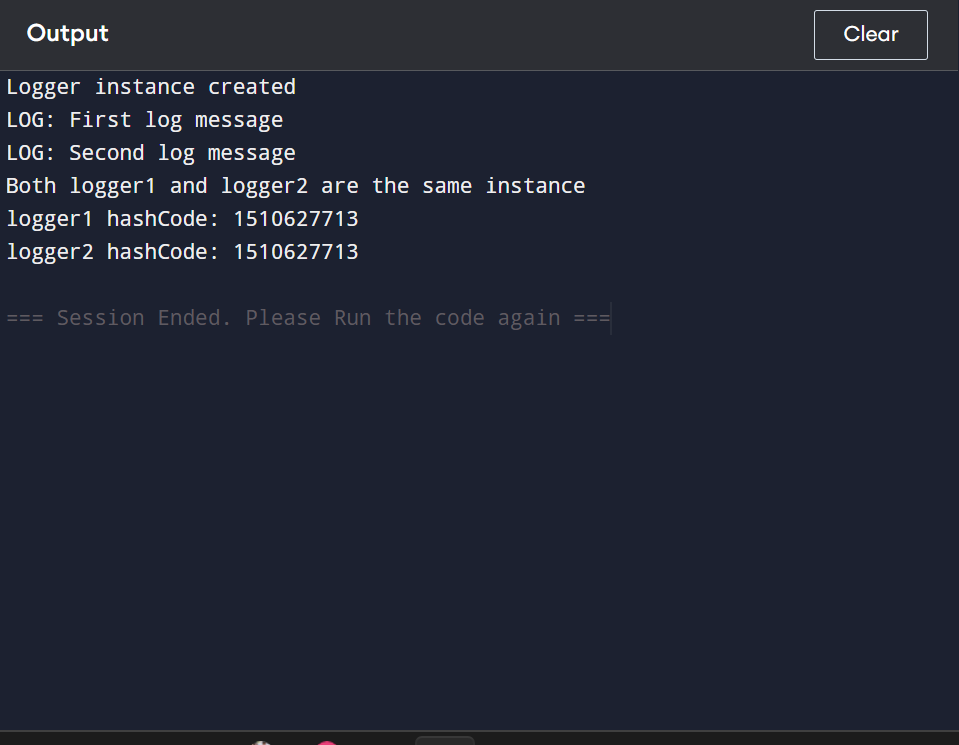
**Input:**



**Exercise 2: Implementing the Singleton Pattern**

**Input:**

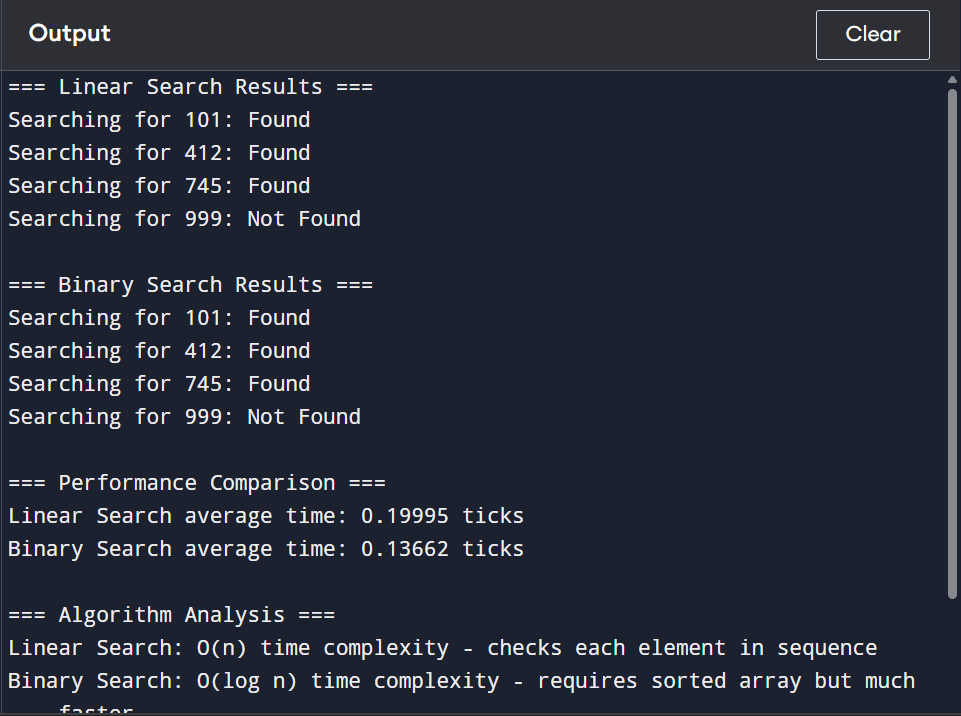
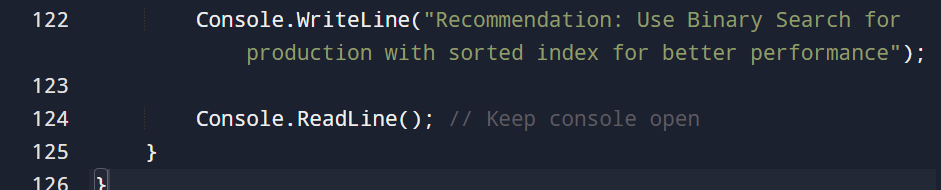
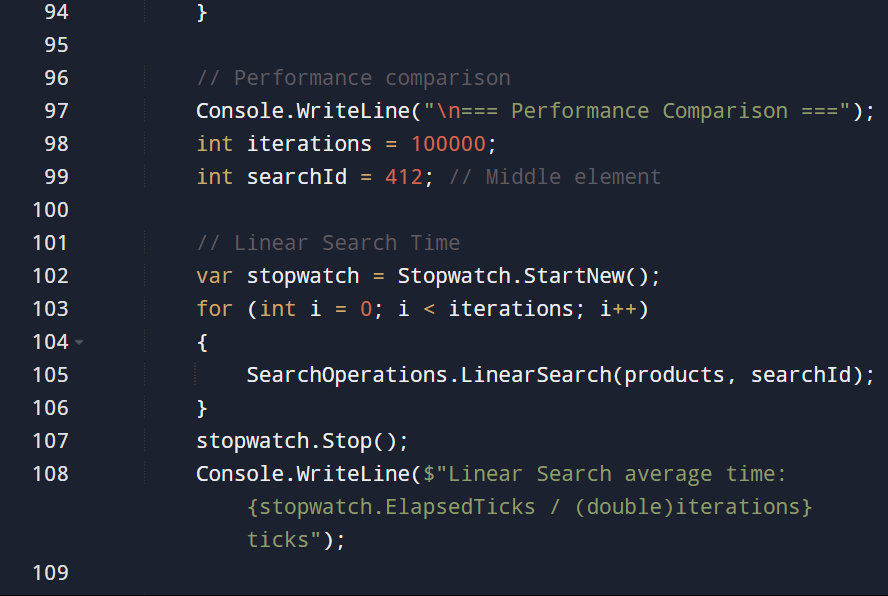
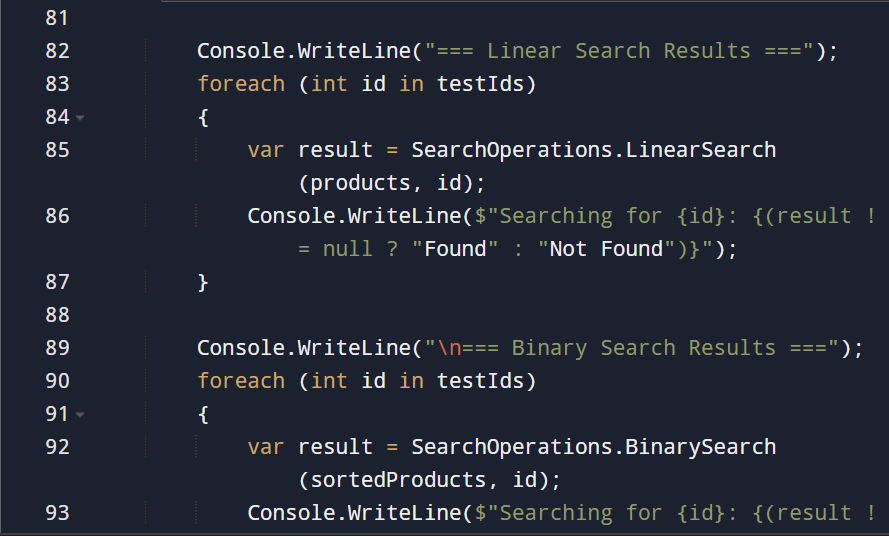
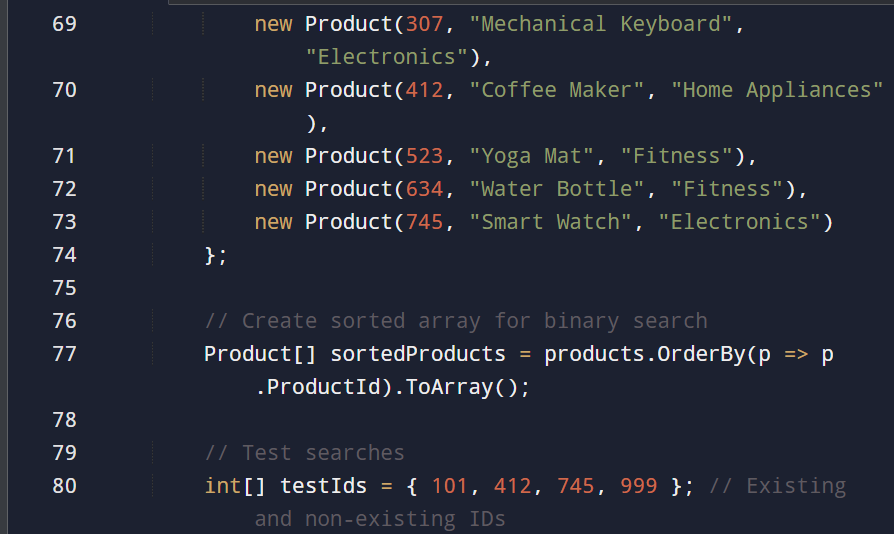
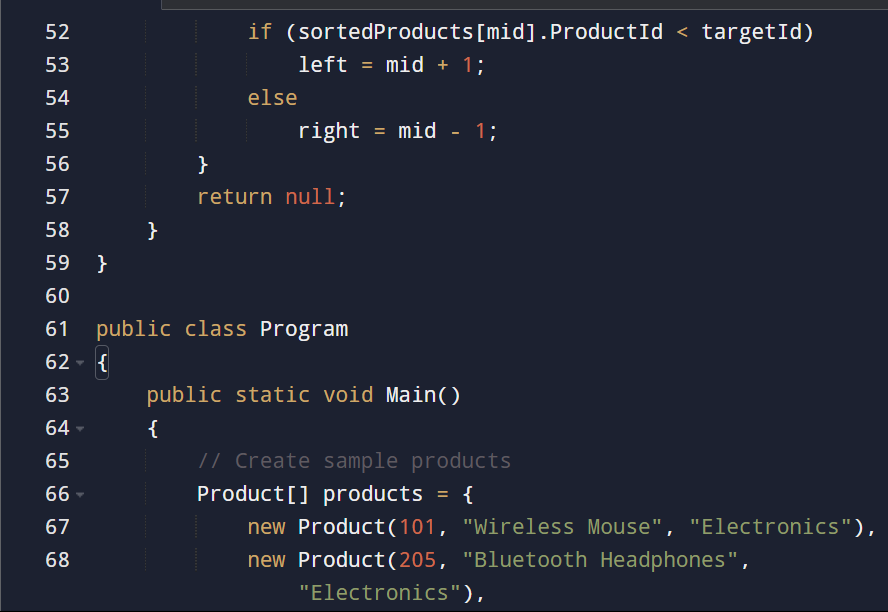
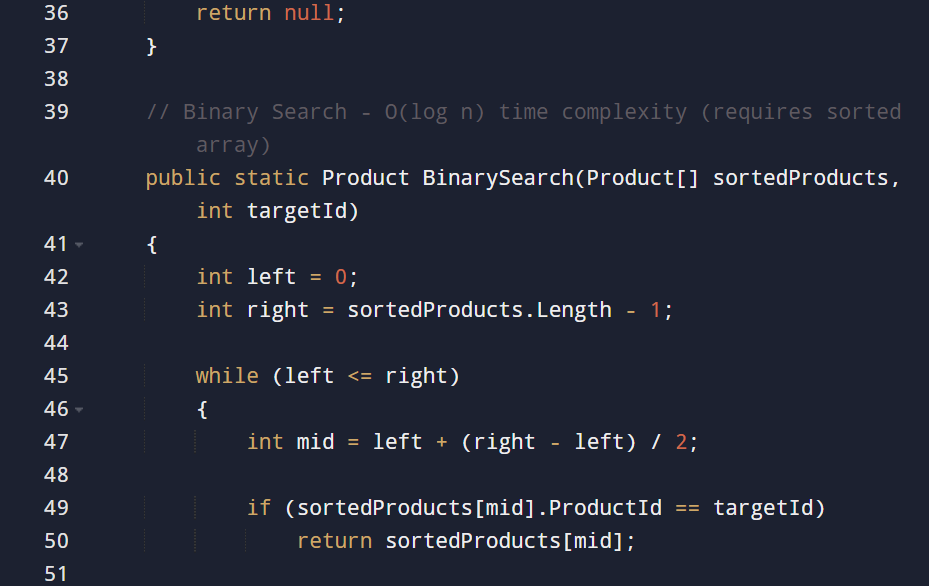
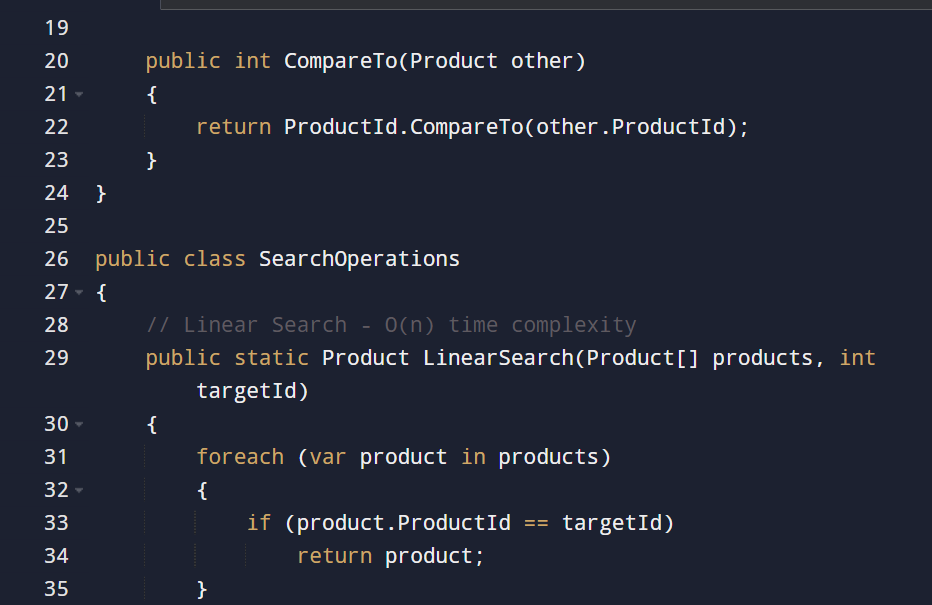
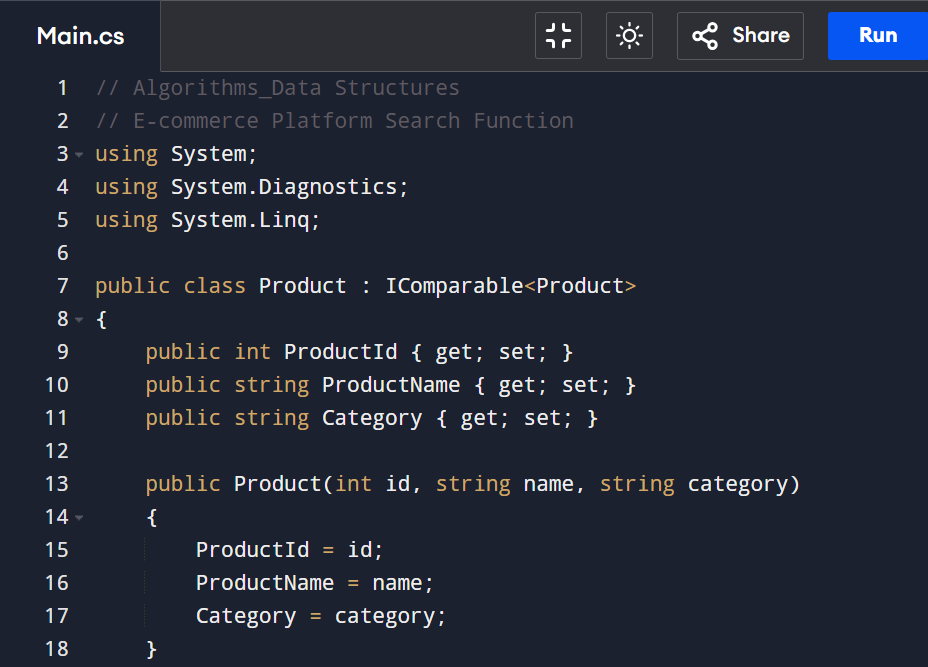




***Data Structures and Algorithm***

**Exercise 1: E-commerce Platform Search Function**

**Input:**

**Exercise 2 - Financial Forcasting**

**Input:**

