**WEEK 3 - ENTITY FRAMEWORK HOL**

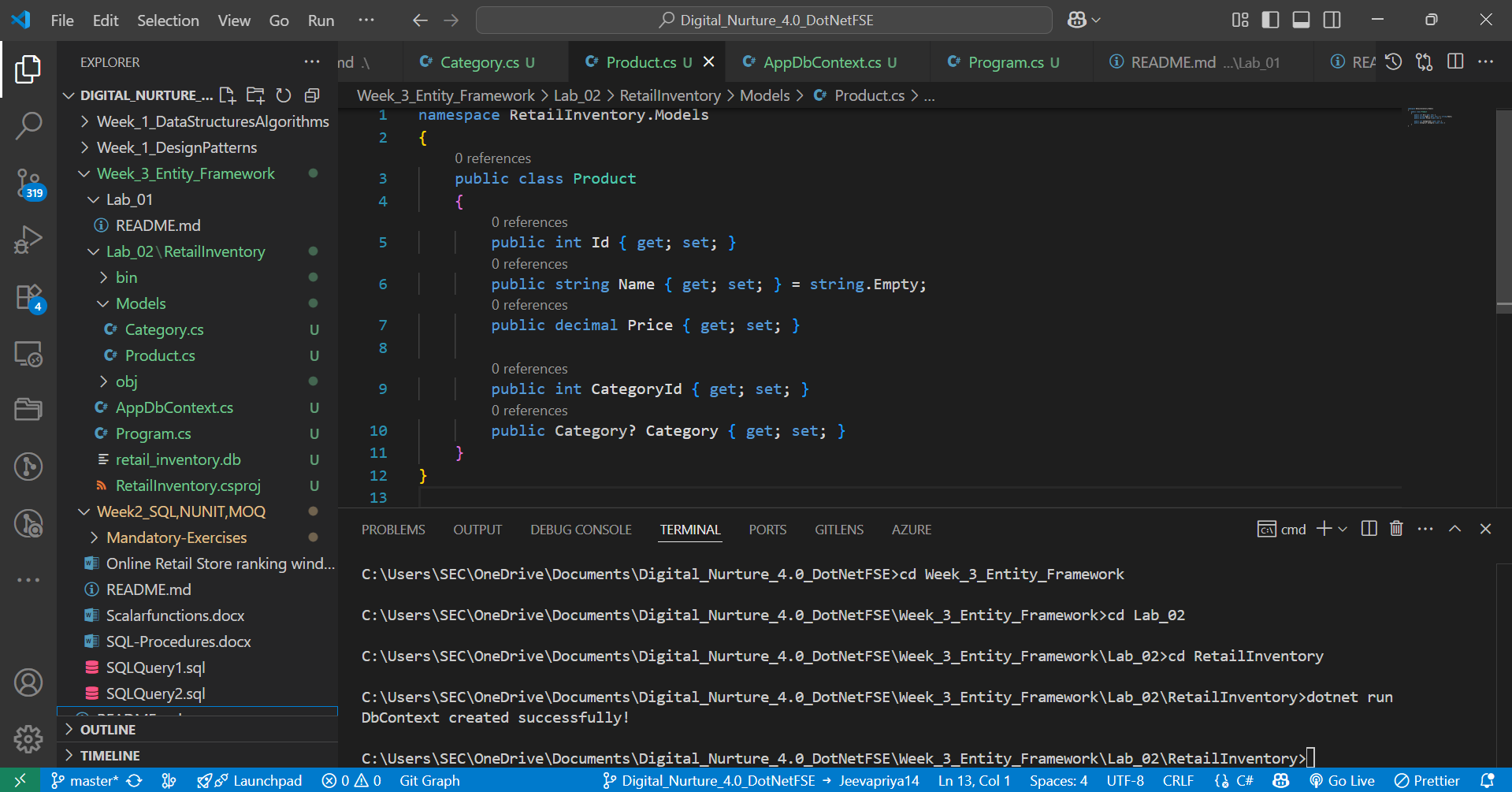
**The source code is provided in repository under each week laboratories.**  
  
**LAB 1:**  
 **Understanding ORM with a Retail Inventory System:**

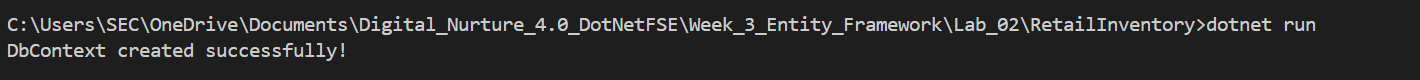
The content is in [README.md](http://readme.md) file

**LAB 2:**

**Setting Up the Database Context for a Retail Store**

**OUTPUT:**

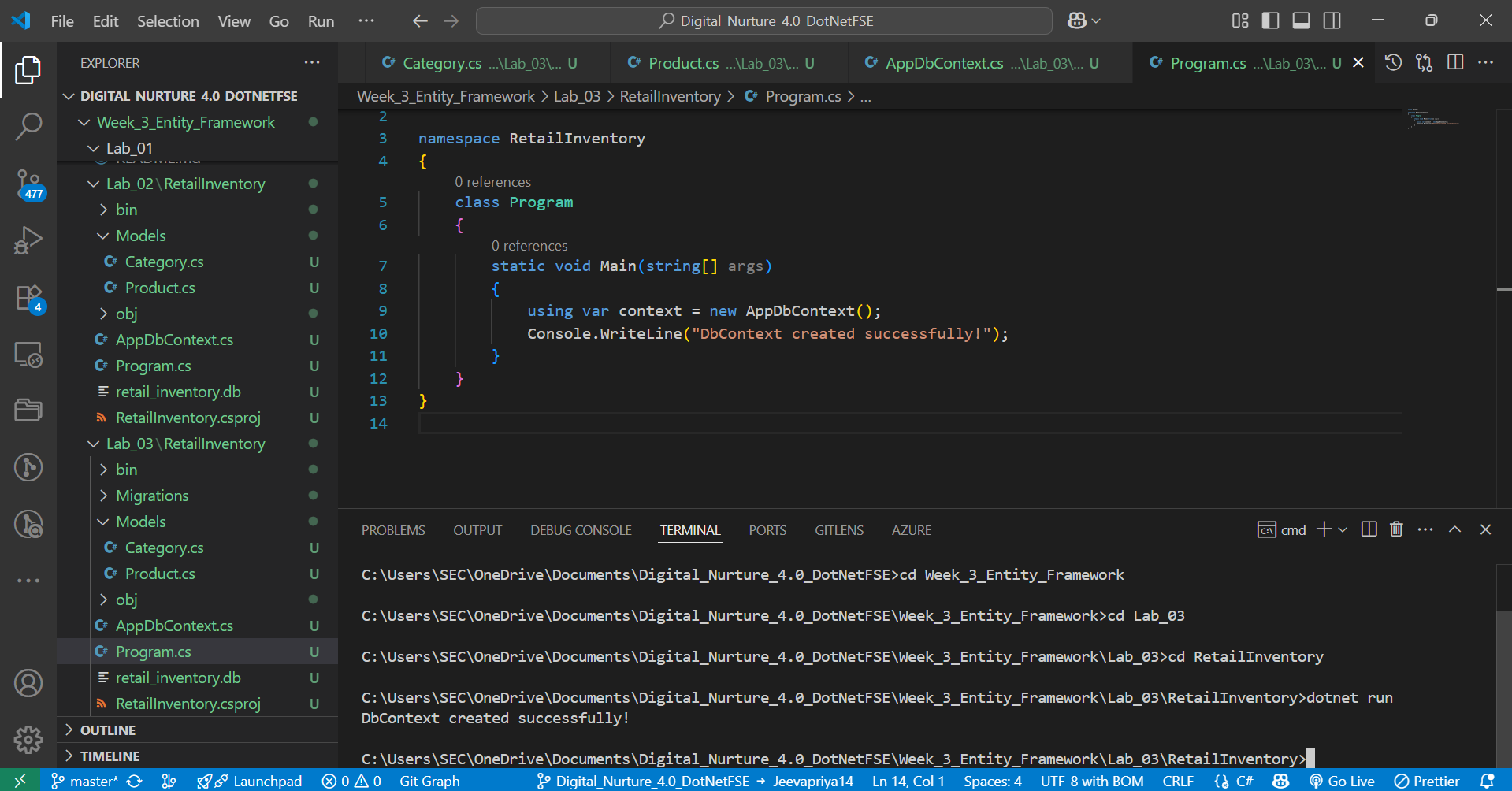


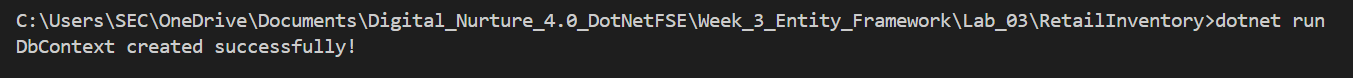


**LAB 3:**

**Using EF Core CLI to Create and Apply Migrations**

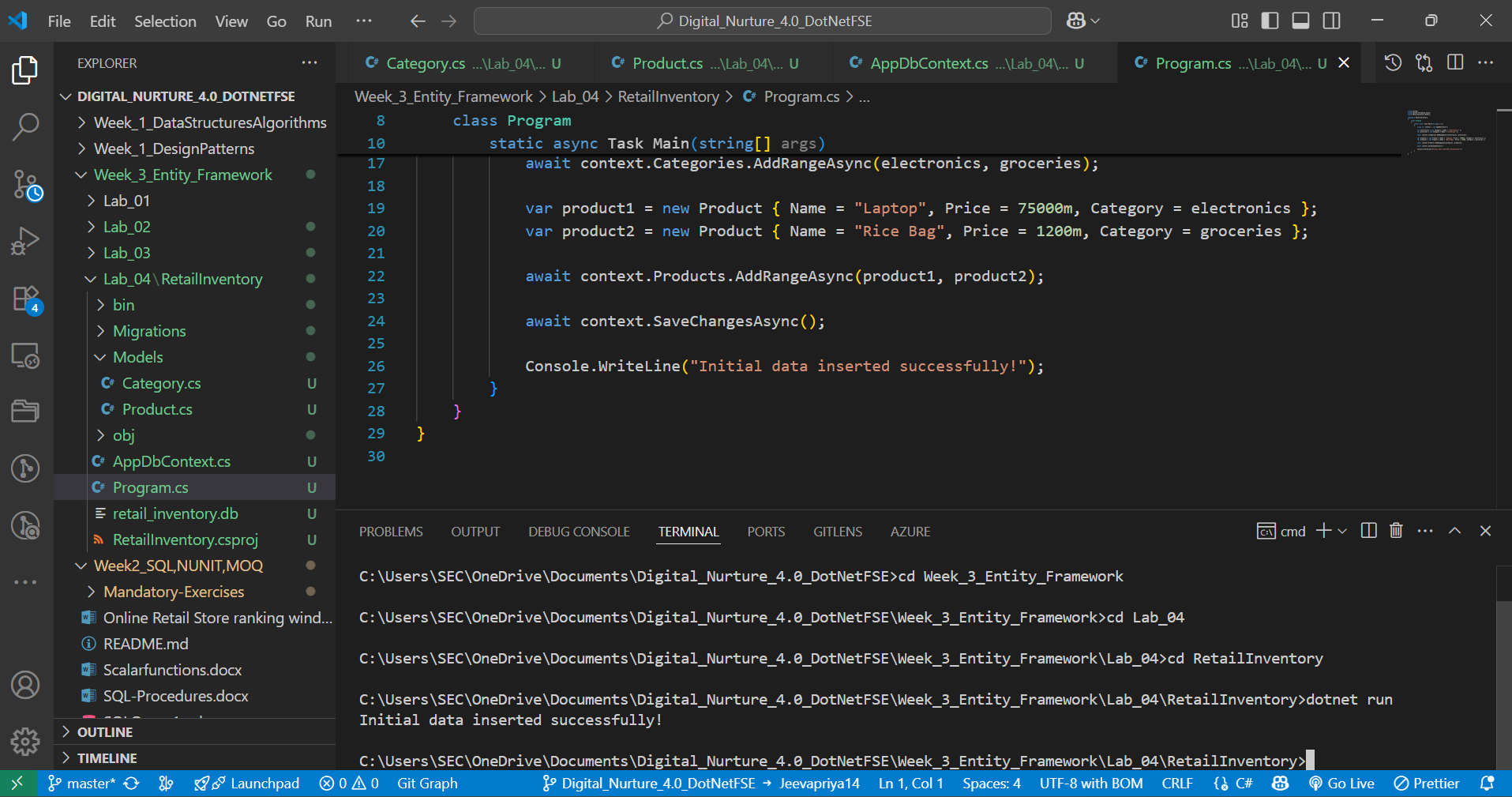
**OUTPUT:**

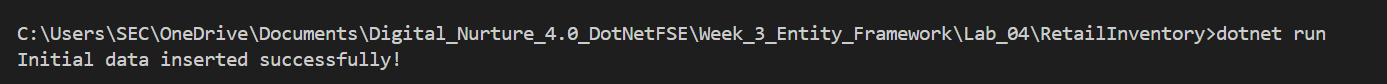
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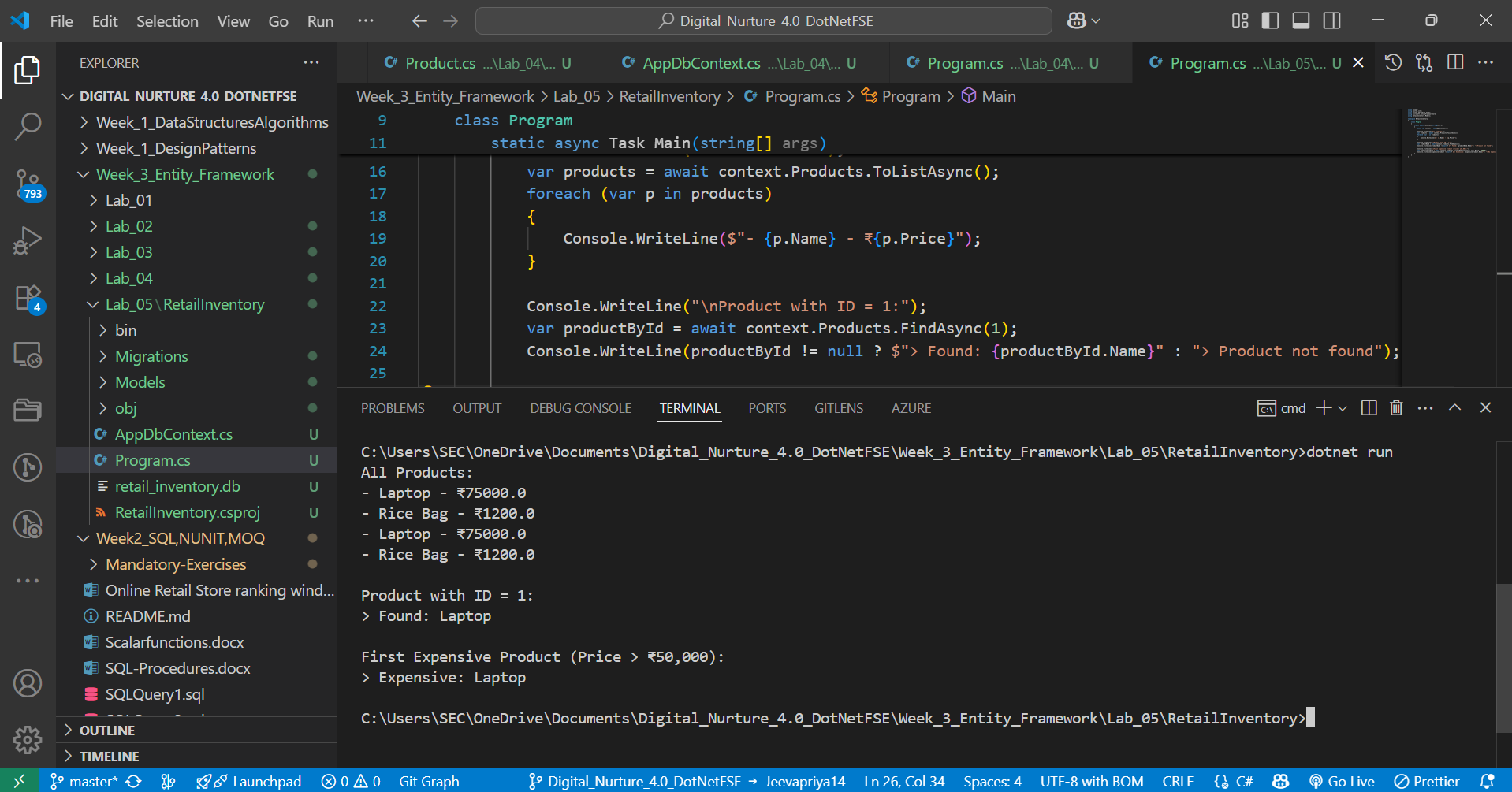
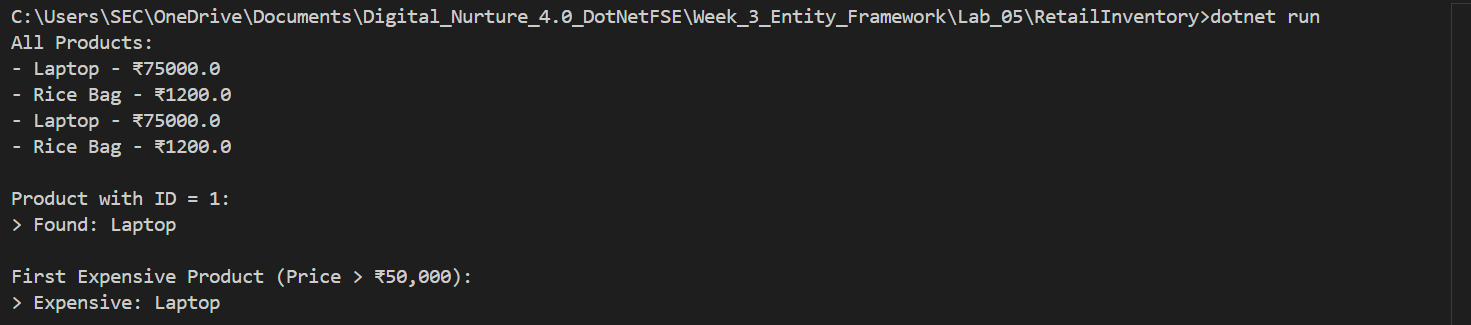
**Lab 4: Inserting Initial Data with EF Core**

**OUTPUT:**

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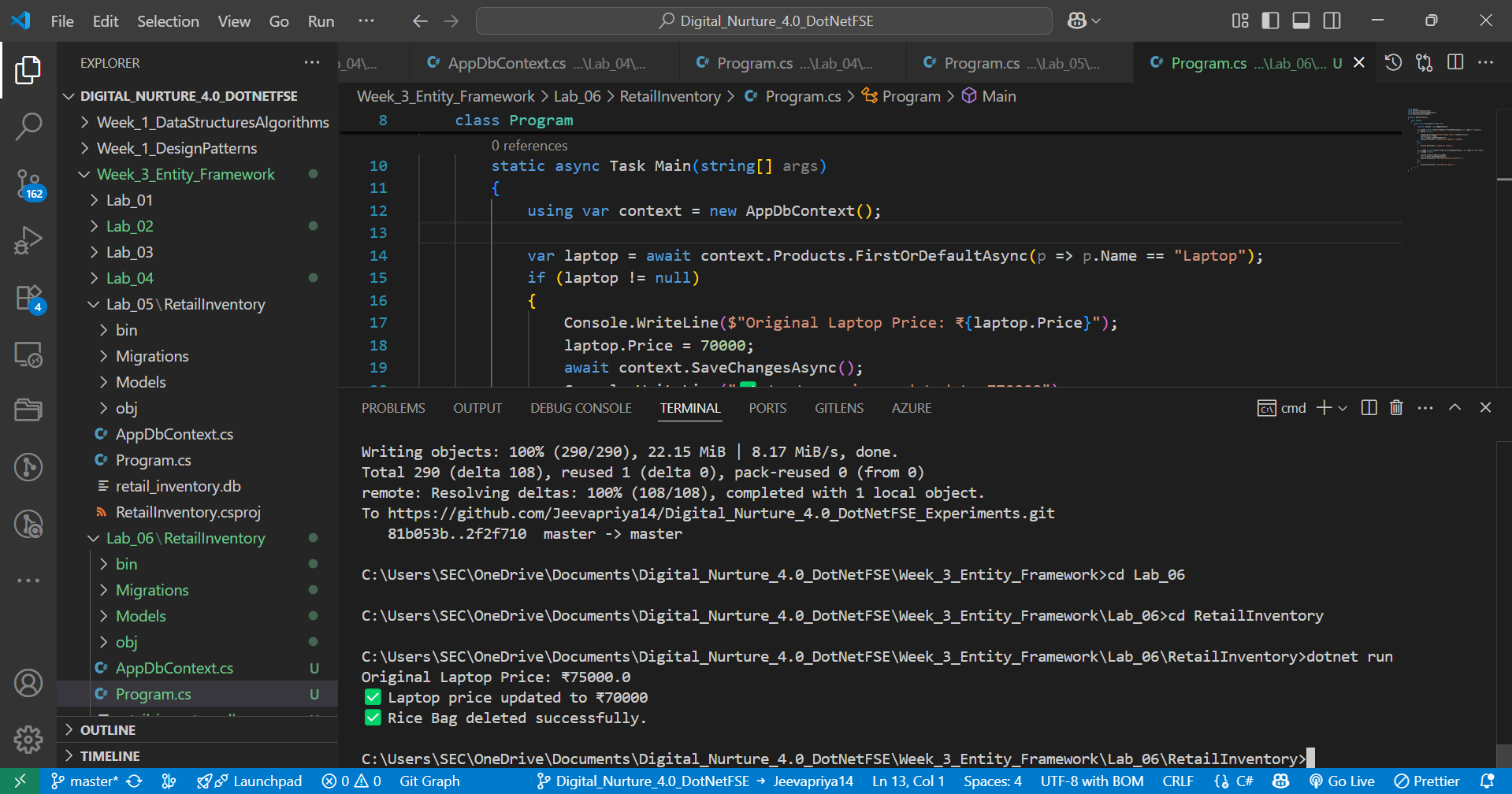
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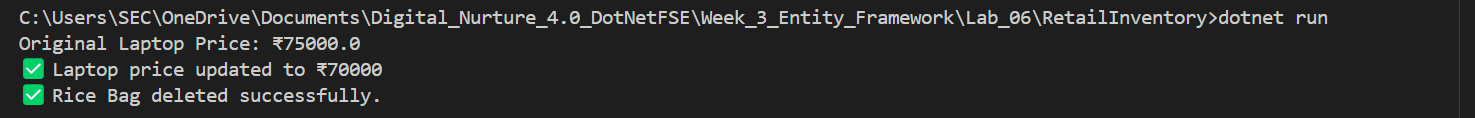
**Lab 5: Retrieving Data from the Database**

**OUTPUT:  
  
  
  
**

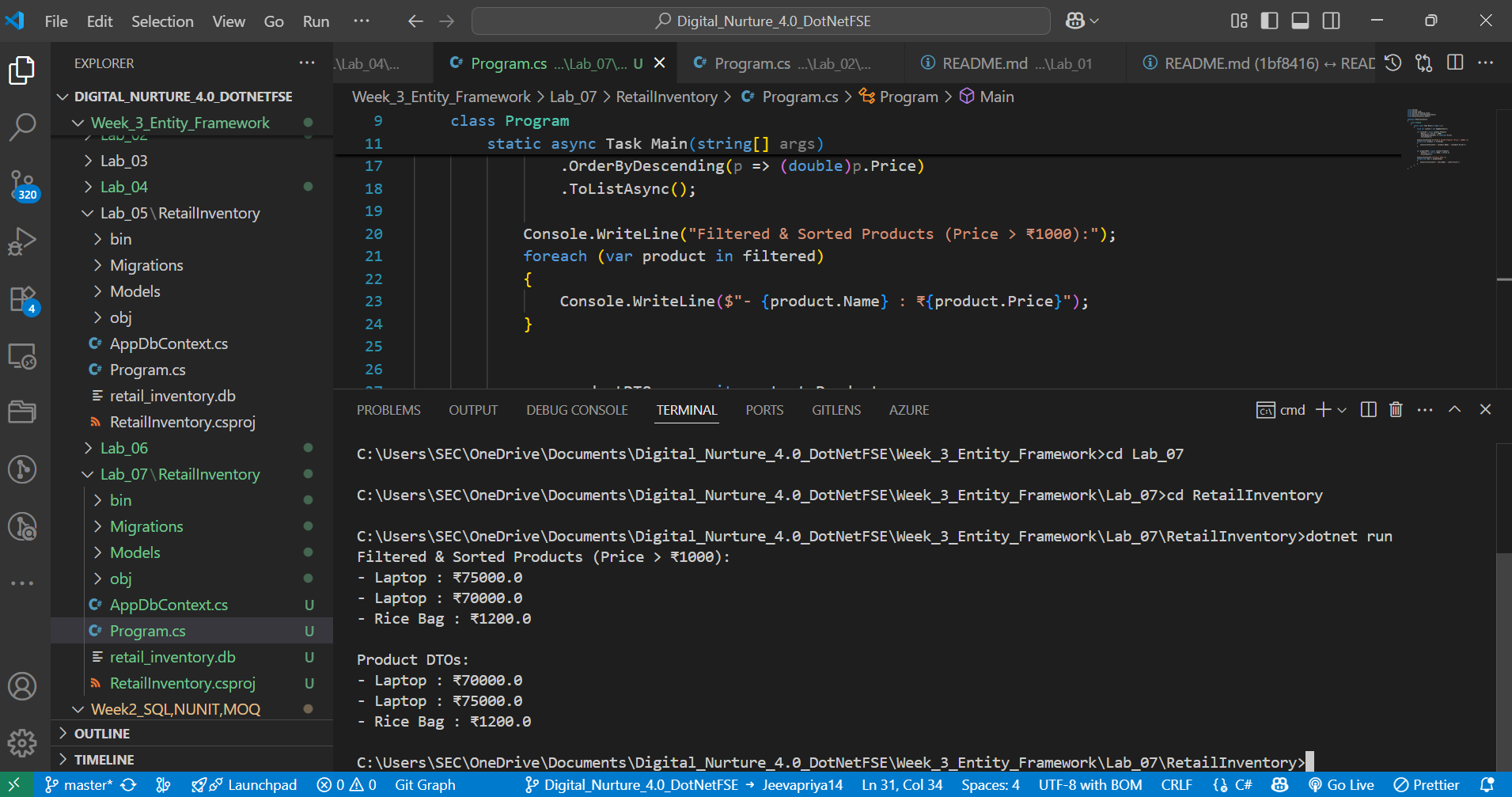
**LAB 06: Updating and Deleting Records**

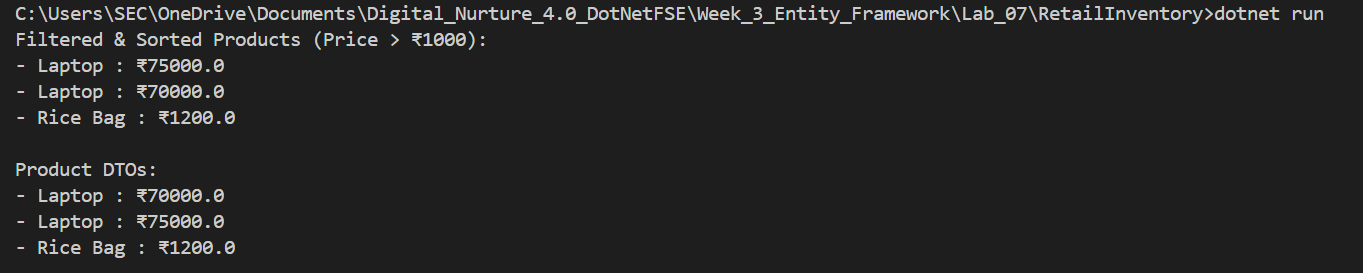
**OUTPUT:**

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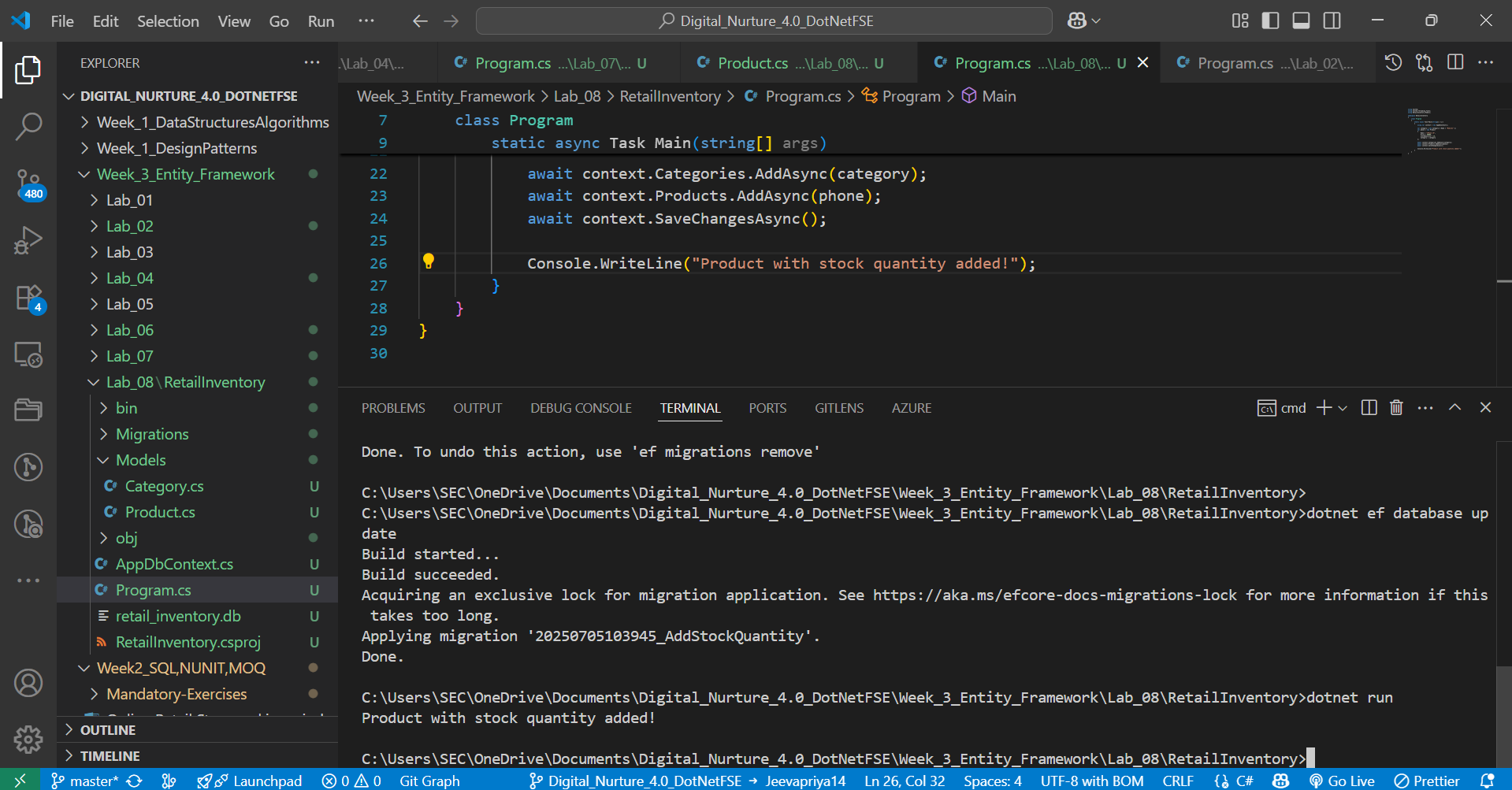
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**Lab 7: Writing Queries with LINQ**

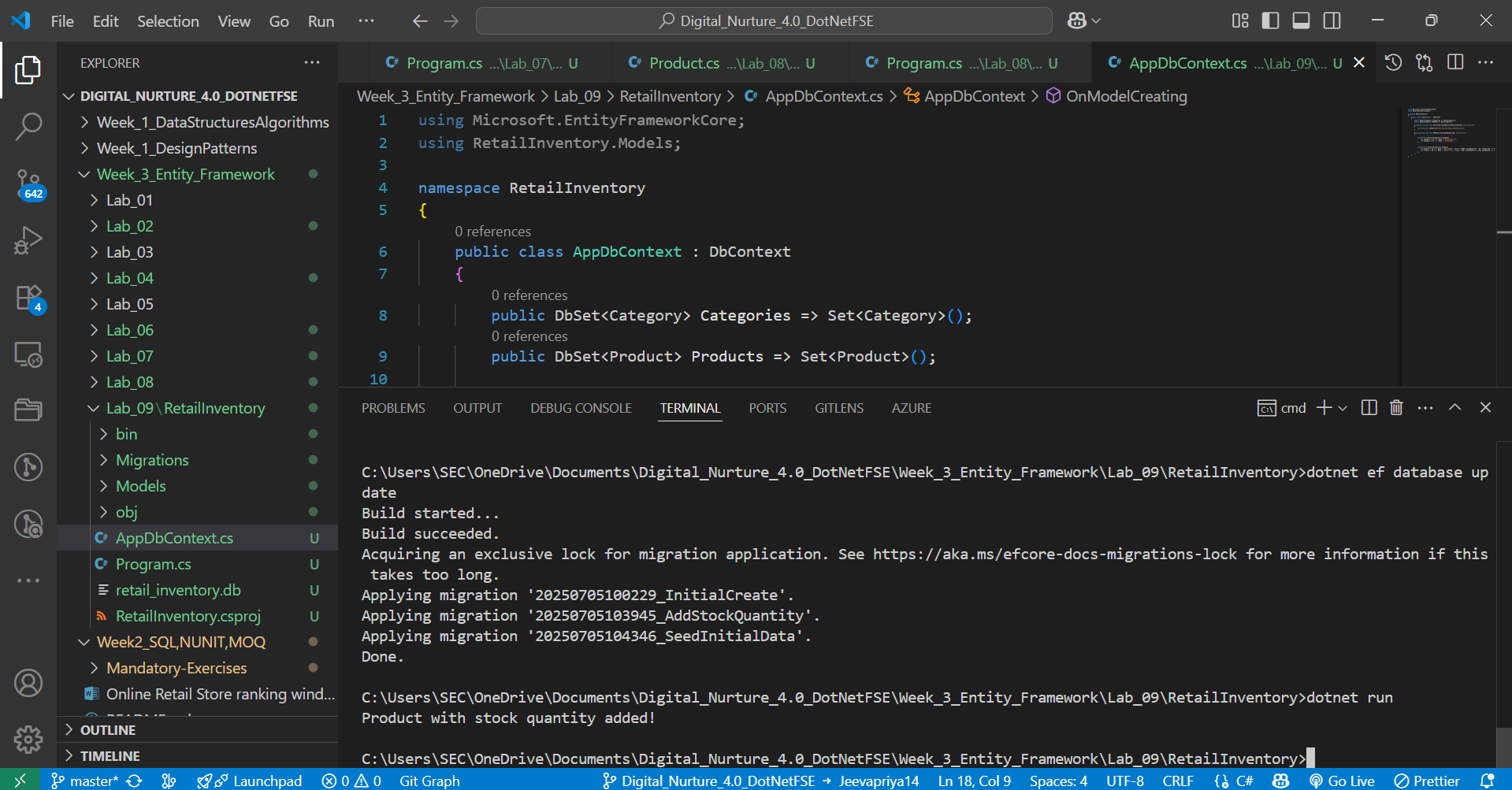
**OUTPUT:  
  
**

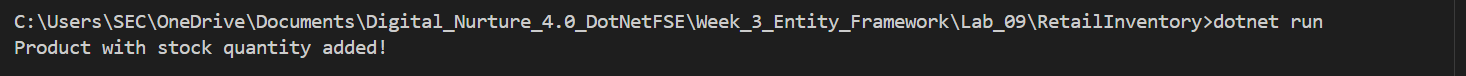
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**Lab 8: Managing Migrations and Schema Changes**

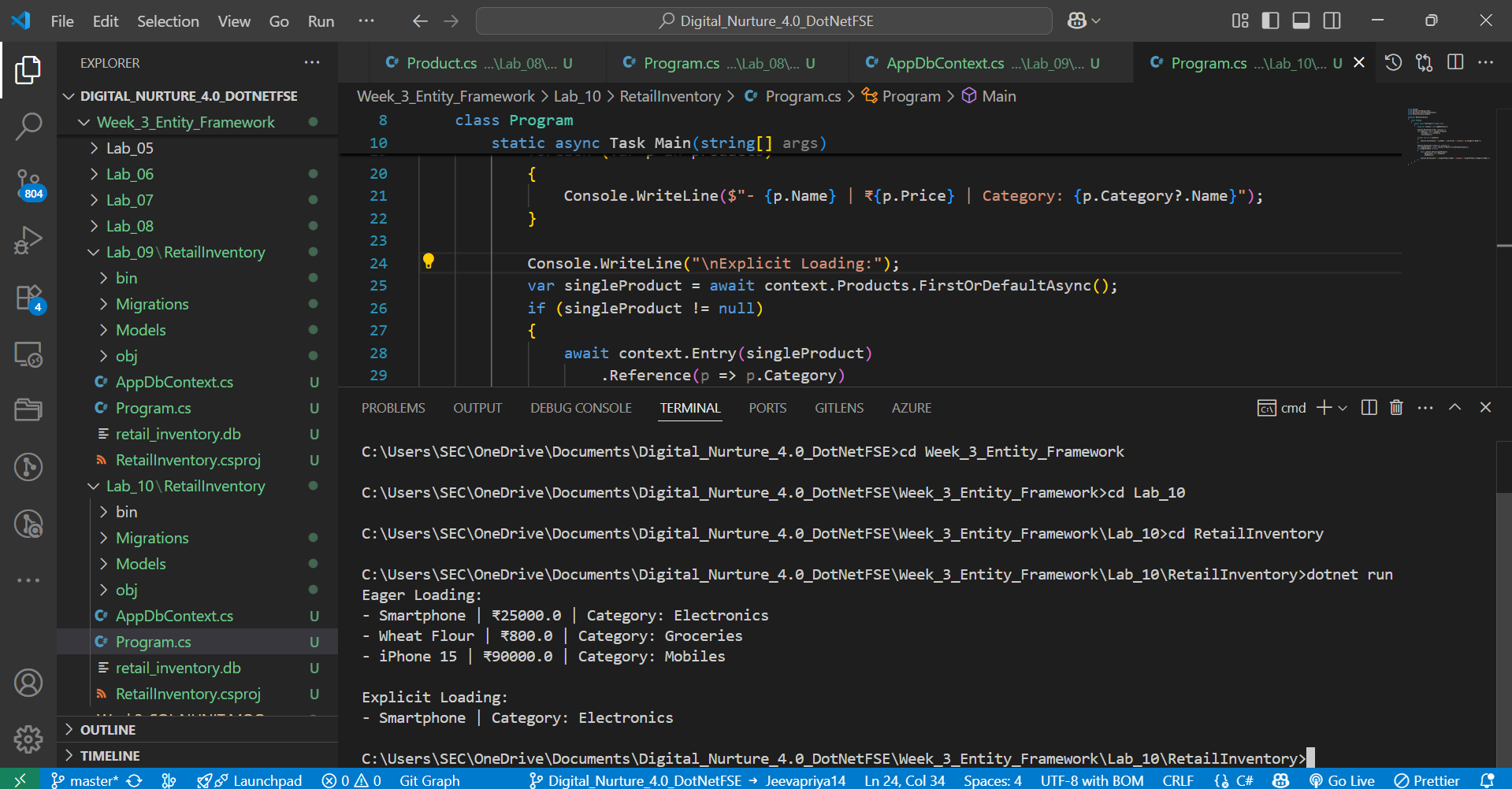
**OUTPUT:  
  
  
  
**

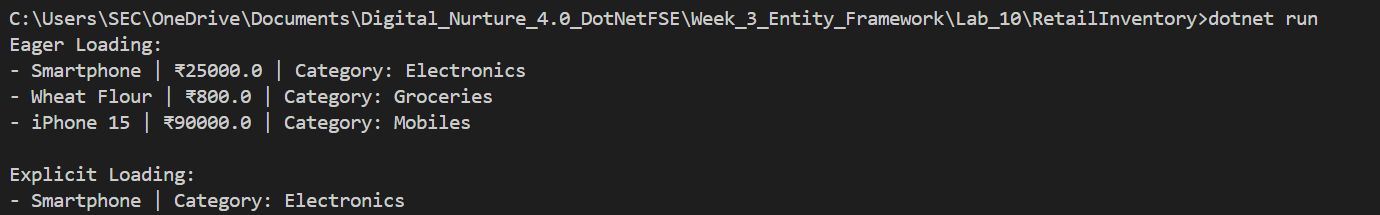
**Lab 9: Seeding Data During Migrations  
  
OUTPUT:**

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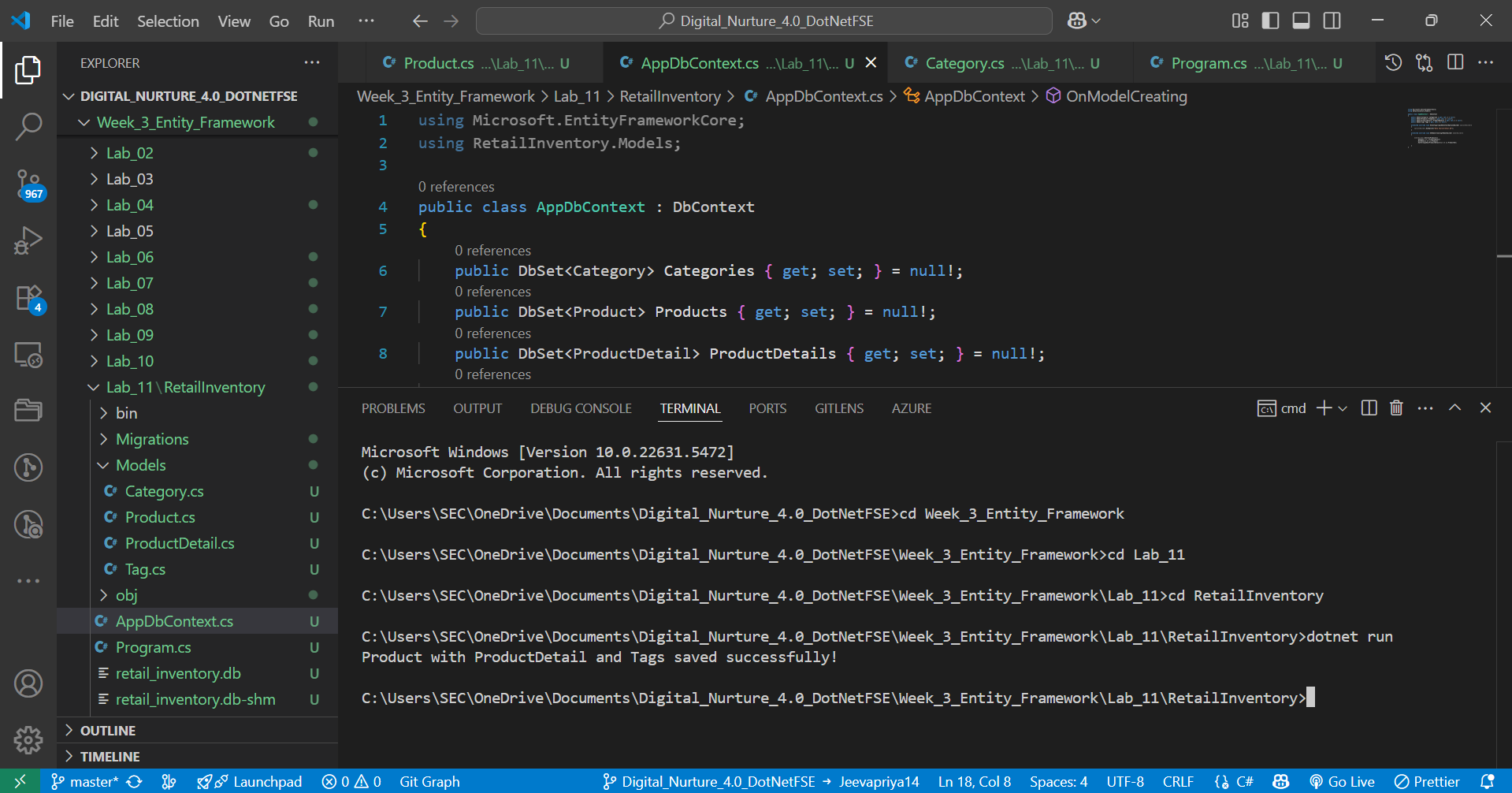
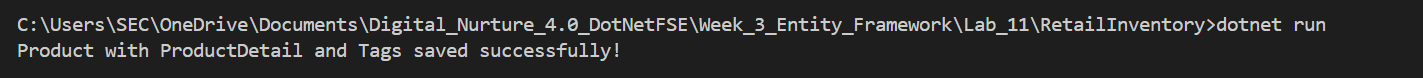
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**Lab 10: Eager, Lazy, and Explicit Loading**

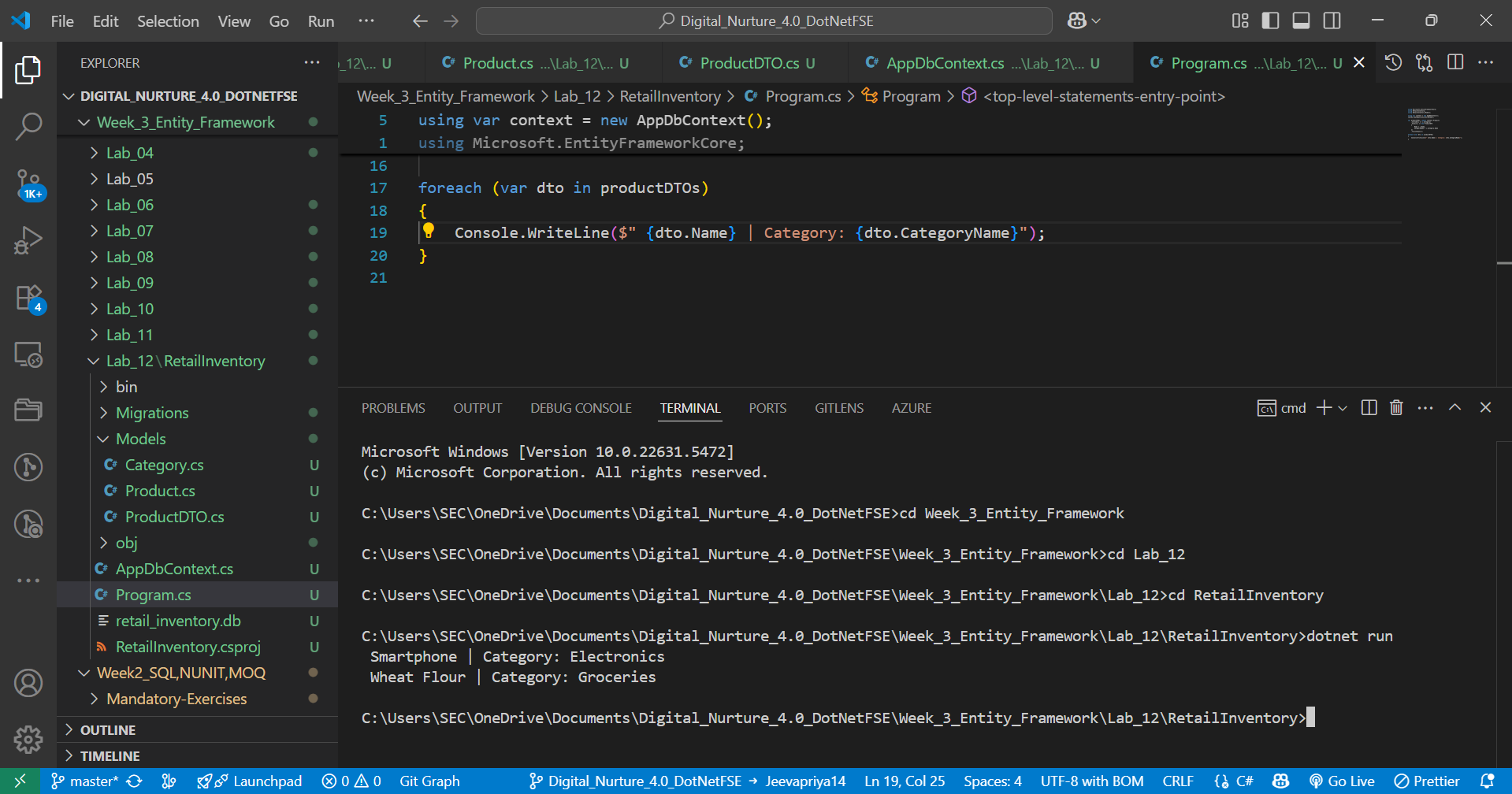
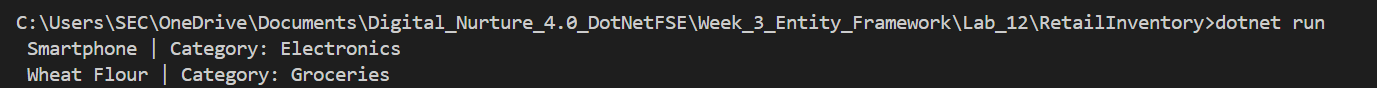
**OUTPUT:  
  
  
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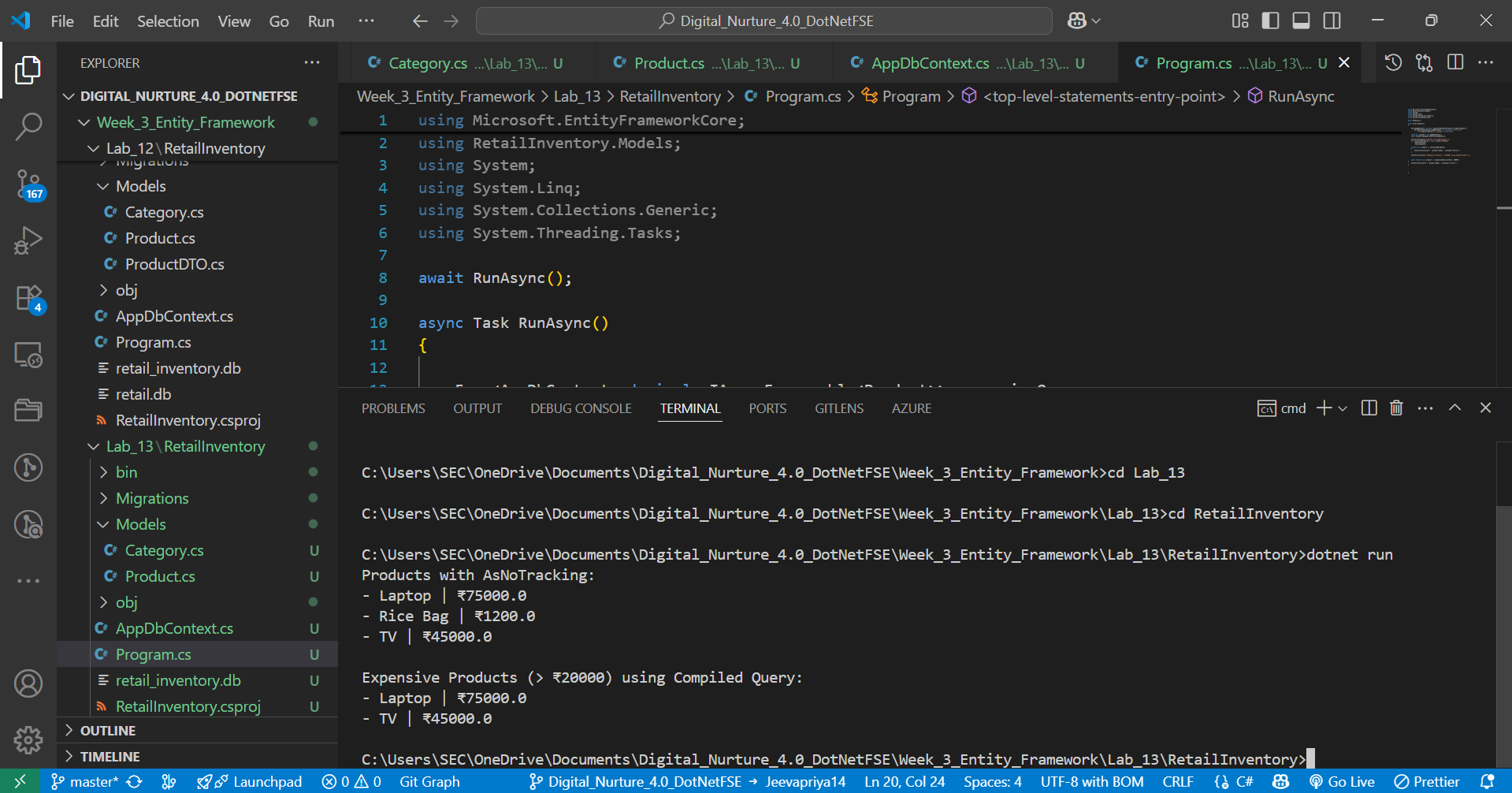
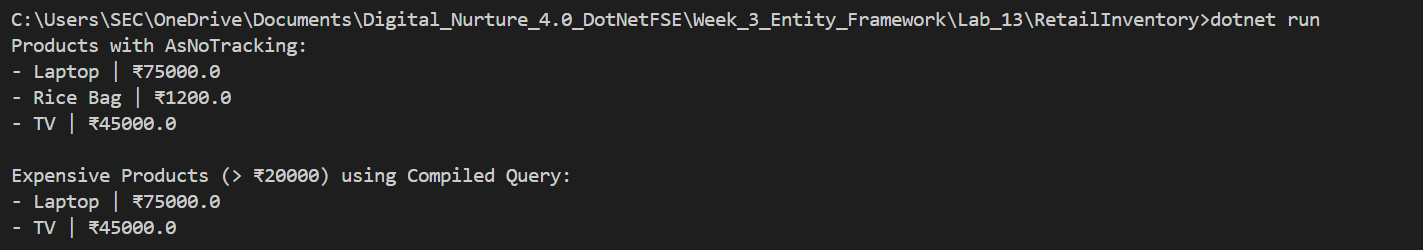
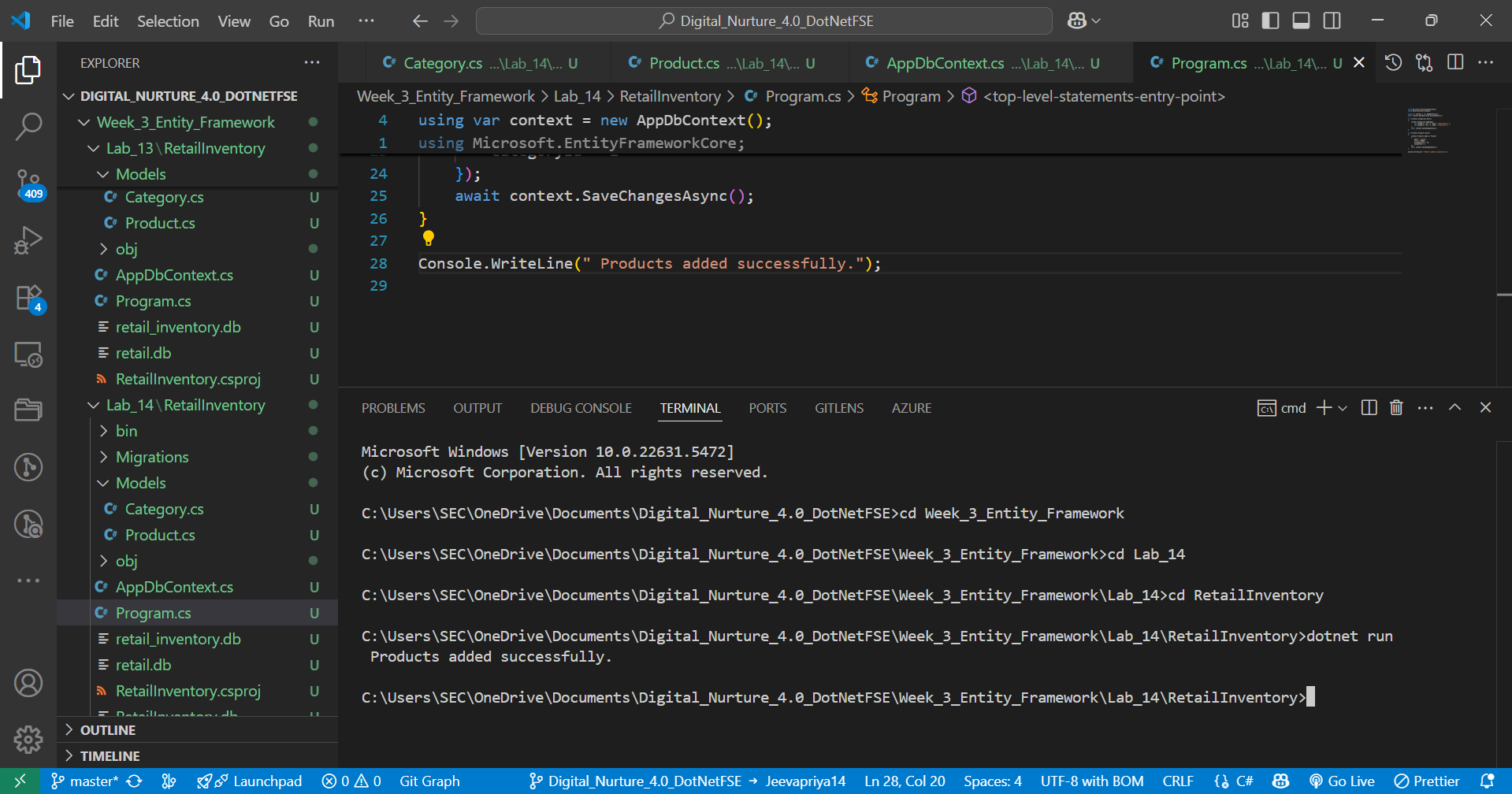
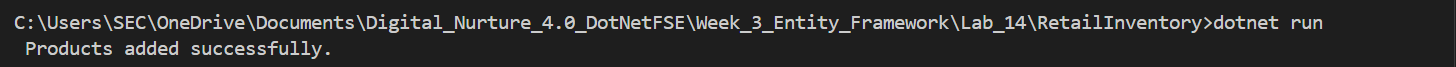
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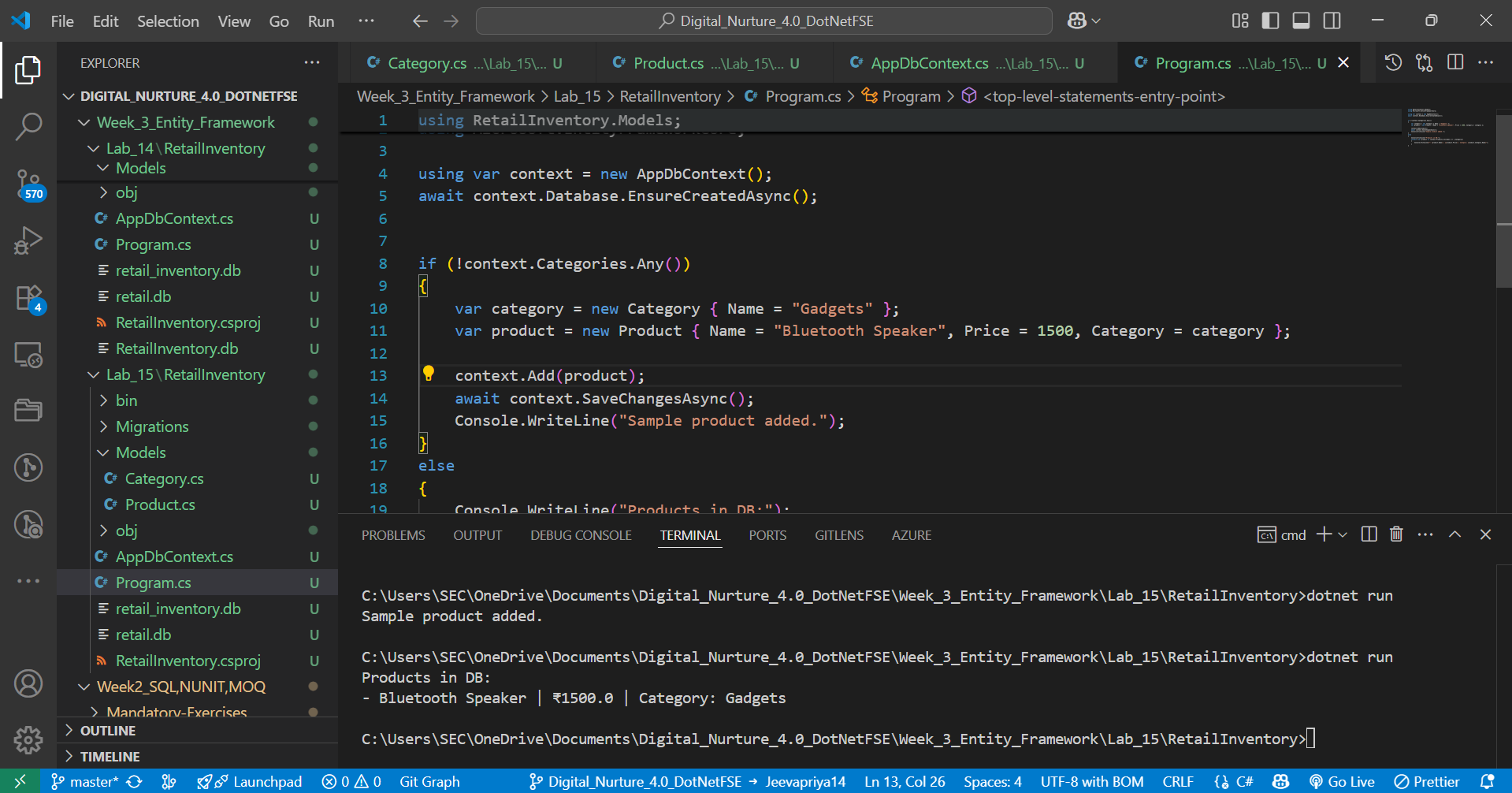
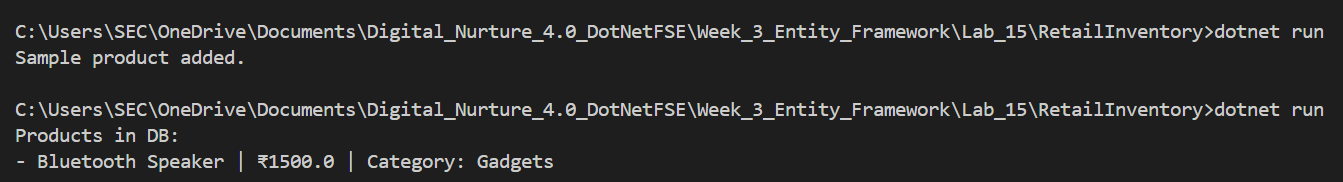
**Lab 11: Configuring One-to-One and Many-to-Many Relationships**

**OUTPUT:  
  
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**Lab 12: Navigating Circular References**

**Output:  
  
  
  
  
  
Lab 13: Query Caching and Tracking Behavior**

**OUTPUT:  
  
  
  
  
  
Lab 14: Batch Processing and Bulk Operations  
  
OUTPUT:  
  
  
  
  
  
Lab 15: Handling Concurrency with RowVersion**

**OUTPUT:  
  
  
  
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**RESULT:  
  
 Thus, All the laboratory exercises are correct and executed successfully.**