

## ASSIGNMENT

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The purpose of this assignment is to exercise object-oriented approach in programming.

Create new solution inside Visual Studio that will have main .Net Core Console application project.

Create console application that will show the list of available products and their prices by each supplier. Each product is described with unique identifier, name, quantity, flag is available or not initial and selling price. Product is available only if his quantity is greater than zero. Each supplier is described with unique identifier, name, list of products and markup (percent that is added to the initial price in order to generate selling price for the product by supplier).

Data about all available products are loaded from the file. Format of the data inside file is JSON. When application starts file must be populated/seeded with products data.

**Note: The final number of products does depend if the same instance of the product(s) is/are used by different suppliers. The products are provided from one central storage unit. The purpose of this console application is just to show the prices of the products by different suppliers.**

Sample of one possible outcome:

```
Product Name: Product 1
Quantity: 20
Initial Price: Price 50 EUR
Selling price Price 62.50 EUR

Product Name: Product 2
Quantity: 10
Initial Price: Price 100 EUR
Selling price Price 125.00 EUR

Supplier Name:Supplier 2 List of products
Product Name: Product 1
Quantity: 20
Initial Price: Price 50 EUR
Selling price Price 75.0 EUR

Product Name: Product 2
Quantity: 10
Initial Price: Price 100 EUR
Selling price Price 150.0 EUR
```