```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Fi

Menu:
1.  Add chocolate bar
2.  Add a sandwich
3.  Add gas
4.  Add coffee
5.  Display all chocolate bars
6.  Compare two chocolate bars and display which one is healthier
7.  Display all sandwiches
8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
1
---------- ADD Chocolate Bars ----------
What is the name of the new product?
Mars
What is its price?
0.87
What is the number of calories?
240
What is the expiry date? (yyyy-MM-dd):
2024-03-28
Product added successfully.
```

```
Please, enter with one of the options above.
2
----------- ADD Sandwiches -----------
What is the name of the new product?
Chicken Barbecue
What is its price?
asd
The input should be a number.
What is its price?
10.35
What is the number of calories?
362
What is the expiry date? (yyyy-MM-dd):
2024-36-98
Please insert a valid date
What is the expiry date? (yyyy-MM-dd):
2024-02-03
SandwichSize{id=0, description='Small'}
SandwichSize{id=1, description='Medium'}
SandwichSize{id=2, description='Large'}
Choose a size:
1
SandwichMainIgredient{id=0, description='Chicken'}
SandwichMainIgredient{id=1, description='Meat'}
SandwichMainIgredient{id=2, description='Veggie'}
Choose a main ingredient:
a
The input should be an integer number.
Choose a main ingredient:
0
Product added successfully.
```
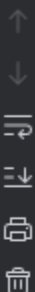
```
Menu:
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10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
3
Enter gas amount to add:
-2
Gas amount should be a number greater than 0.
Enter gas amount to add:
zaa
Gas amount should be a numerical value.
Enter gas amount to add:
12
The gas amount was added successfully.
```

```
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11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
4
----------- ADD Coffees -----------
What is the name of the new product?
Macchiato
What is its price?
2.25
What is the expiry date? (yyyy-MM-dd):
2024-03-25
What is the number of calories?
-5
The number of calories must be between 0 and 3000.
----------- ADD Coffees -----------
What is the name of the new product?
Macchiato
What is its price?
2.25
What is the expiry date? (yyyy-MM-dd):
2024-12-08
What is the number of calories?
183
Product added successfully.

Menu:
```

```
Menu:
1.  Add chocolate bar
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8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
5

------- Chocolate Bars -------
ChocolateBar { id = 3, name = Kit Kat, price = $ 1.75, numberOfCalories = 518.0, expiryDate = 2024-11-23}
ChocolateBar { id = 4, name = Aero, price = $ 2.25, numberOfCalories = 230.0, expiryDate = 2024-11-23}
ChocolateBar { id = 1, name = Mars, price = $ 0.87, numberOfCalories = 240.0, expiryDate = 2024-03-28}
```

Run ▢ Main ✕

```
Menu:
1.  Add chocolate bar
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10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
6
------- Chocolate Bars -------
ChocolateBar { id = 3, name = Kit Kat, price = $ 1.75, numberOfCalories = 518.0, expiryDate = 2024-11-23}
ChocolateBar { id = 4, name = Aero, price = $ 2.25, numberOfCalories = 230.0, expiryDate = 2024-11-23}
ChocolateBar { id = 1, name = Mars, price = $ 0.87, numberOfCalories = 240.0, expiryDate = 2024-03-28}

Which chocolates would you like to compare?
Enter the first chocolate id:
3
Enter the second chocolate id:
1
ChocolateBar { id = 3, name = Kit Kat, price = $ 1.75, numberOfCalories = 518.0, expiryDate = 2024-11-23}
 is less healthier than
ChocolateBar { id = 1, name = Mars, price = $ 0.87, numberOfCalories = 240.0, expiryDate = 2024-03-28}
```

Enter the second chocolate id:

1

ChocolateBar { id = 3, name = Kit Kat, price = $ 1.75, numberOfCalories = 518.0, expiryDate = 2024-11-23}
 is less healthier than

ChocolateBar { id = 1, name = Mars, price = $ 0.87, numberOfCalories = 240.0, expiryDate = 2024-03-28}

Menu:
1. Add chocolate bar
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10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
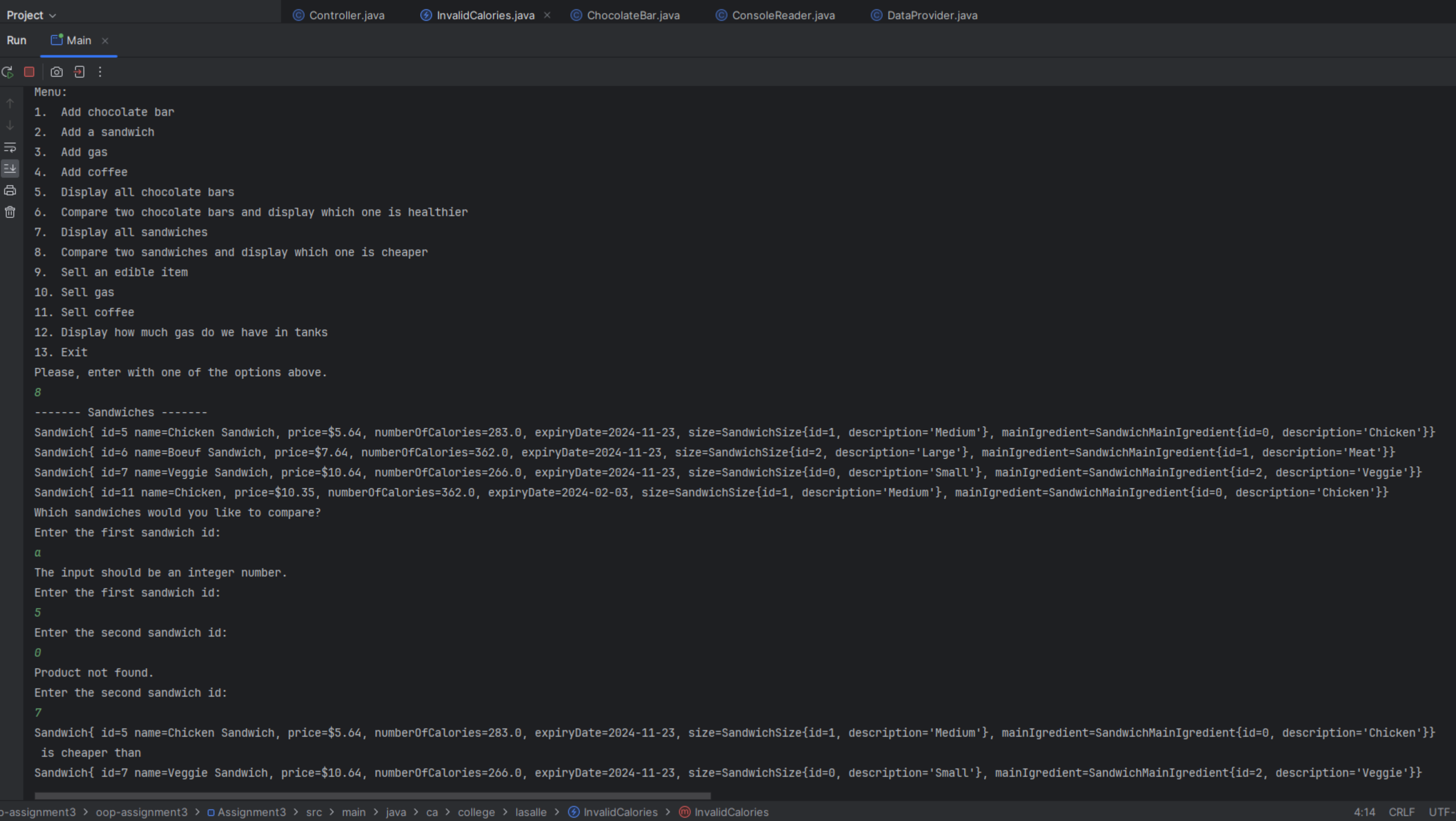Please, enter with one of the options above.

7

------- Sandwiches -------

Sandwich{ id=5 name=Chicken Sandwich, price=$5.64, numberOfCalories=283.0, expiryDate=2024-11-23, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}
Sandwich{ id=6 name=Boeuf Sandwich, price=$7.64, numberOfCalories=362.0, expiryDate=2024-11-23, size=SandwichSize{id=2, description='Large'}, mainIgredient=SandwichMainIgredient{id=1, description='Meat'}}
Sandwich{ id=7 name=Veggie Sandwich, price=$10.64, numberOfCalories=266.0, expiryDate=2024-11-23, size=SandwichSize{id=0, description='Small'}, mainIgredient=SandwichMainIgredient{id=2, description='Veggie'}}
Sandwich{ id=11 name=Chicken, price=$10.35, numberOfCalories=362.0, expiryDate=2024-02-03, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}

```
Menu:
1.  Add chocolate bar
2.  Add a sandwich
3.  Add gas
4.  Add coffee
5.  Display all chocolate bars
6.  Compare two chocolate bars and display which one is healthier
7.  Display all sandwiches
8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
8

------- Sandwiches -------
Sandwich{ id=5 name=Chicken Sandwich, price=$5.64, numberOfCalories=283.0, expiryDate=2024-11-23, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}
Sandwich{ id=6 name=Boeuf Sandwich, price=$7.64, numberOfCalories=362.0, expiryDate=2024-11-23, size=SandwichSize{id=2, description='Large'}, mainIgredient=SandwichMainIgredient{id=1, description='Meat'}}
Sandwich{ id=7 name=Veggie Sandwich, price=$10.64, numberOfCalories=266.0, expiryDate=2024-11-23, size=SandwichSize{id=0, description='Small'}, mainIgredient=SandwichMainIgredient{id=2, description='Veggie'}}
Sandwich{ id=11 name=Chicken, price=$10.35, numberOfCalories=362.0, expiryDate=2024-02-03, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}
Which sandwiches would you like to compare?
Enter the first sandwich id:
a
The input should be an integer number.
Enter the first sandwich id:
5
Enter the second sandwich id:
0
Product not found.
Enter the second sandwich id:
7
Sandwich{ id=5 name=Chicken Sandwich, price=$5.64, numberOfCalories=283.0, expiryDate=2024-11-23, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}
 is cheaper than
Sandwich{ id=7 name=Veggie Sandwich, price=$10.64, numberOfCalories=266.0, expiryDate=2024-11-23, size=SandwichSize{id=0, description='Small'}, mainIgredient=SandwichMainIgredient{id=2, description='Veggie'}}
```

13. Exit
Please, enter with one of the options above.
9

---------- SELL Edible Product ----------
------ Edible Products ------
ChocolateBar { id = 3, name = Kit Kat, price = $ 1.75, numberOfCalories = 518.0, expiryDate = 2024-11-23}
ChocolateBar { id = 4, name = Aero, price = $ 2.25, numberOfCalories = 230.0, expiryDate = 2024-11-23}
Sandwich{ id=5 name=Chicken Sandwich, price=$5.64, numberOfCalories=283.0, expiryDate=2024-11-23, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}
Sandwich{ id=6 name=Boeuf Sandwich, price=$7.64, numberOfCalories=362.0, expiryDate=2024-11-23, size=SandwichSize{id=2, description='Large'}, mainIgredient=SandwichMainIgredient{id=1, description='Meat'}}
Sandwich{ id=7 name=Veggie Sandwich, price=$10.64, numberOfCalories=266.0, expiryDate=2024-11-23, size=SandwichSize{id=0, description='Small'}, mainIgredient=SandwichMainIgredient{id=2, description='Veggie'}}
Coffee{ id=8, name=Black Coffee, numberOfCalories=5.0, expiryDate=2024-11-23}
Coffee{ id=9, name=Iced Latte, numberOfCalories=130.0, expiryDate=2024-11-23}
Coffee{ id=10, name=Mochaccino, numberOfCalories=212.0, expiryDate=2024-11-23}
ChocolateBar { id = 1, name = Mars, price = $ 0.87, numberOfCalories = 240.0, expiryDate = 2024-03-28}
Sandwich{ id=11 name=Chicken, price=$10.35, numberOfCalories=362.0, expiryDate=2024-02-03, size=SandwichSize{id=1, description='Medium'}, mainIgredient=SandwichMainIgredient{id=0, description='Chicken'}}

Which product would you like to buy?
Enter the id of the desired product:
asd
The input should be an integer number.
Enter the id of the desired product:
15
Product id was not found.
Enter the id of the desired product:
-1
Product id was not found.
Enter the id of the desired product:
10
You have purchased:
Coffee{ id=10, name=Mochaccino, numberOfCalories=212.0, expiryDate=2024-11-23}

```
Please, enter with one of the options above.
10
---------- SELL GAS ----------
How many liters you need?:
a
The input should be a number.
How many liters you need?:
-2
Invalid amount required has to be greater than 0.

Menu:
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6.  Compare two chocolate bars and display which one is healthier
7.  Display all sandwiches
8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
10
---------- SELL GAS ----------
How many liters you need?:
8.2

Menu:
1.  Add chocolate bar
```
ignment3 > oop-assignment3 > ▢ Assignment3 > src > main > java > ca > college > la

```
Menu:
1.  Add chocolate bar
2.  Add a sandwich
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5.  Display all chocolate bars
6.  Compare two chocolate bars and display which one is healthier
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8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
11
----------- SELL Product -----------
------- Coffees -------
Coffee{ id=8, name=Black Coffee, numberOfCalories=5.0, expiryDate=2024-11-23}
Coffee{ id=9, name=Iced Latte, numberOfCalories=130.0, expiryDate=2024-11-23}
Coffee{ id=10, name=Mochaccino, numberOfCalories=212.0, expiryDate=2024-11-23}

Which product would you like to buy?
a
The input should be an integer number.
Which product would you like to buy?
-1
Product not found.
Which product would you like to buy?
123
Product not found.
Which product would you like to buy?
8
You have purchased the product:
Coffee{ id=8, name=Black Coffee, numberOfCalories=5.0, expiryDate=2024-11-23}
```

```
Menu:
1.  Add chocolate bar
2.  Add a sandwich
3.  Add gas
4.  Add coffee
5.  Display all chocolate bars
6.  Compare two chocolate bars and display which one is healthier
7.  Display all sandwiches
8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
12
The total amount of gas in the tanks is: 1059.0 liters.
```

```
Menu:
1.  Add chocolate bar
2.  Add a sandwich
3.  Add gas
4.  Add coffee
5.  Display all chocolate bars
6.  Compare two chocolate bars and display which one is healthier
7.  Display all sandwiches
8.  Compare two sandwiches and display which one is cheaper
9.  Sell an edible item
10. Sell gas
11. Sell coffee
12. Display how much gas do we have in tanks
13. Exit
Please, enter with one of the options above.
13


Process finished with exit code 0
```