**Lab: Exceptions and Error Handling Lab**

Problems for exercise and homework for the ["C# OOP" course @ SoftUni"](https://softuni.bg/trainings/3585/csharp-oop-february-2022).

You can check your solutions here: [https://judge.softuni.org/Contests/3324/Exceptions-and-E HYPERLINK "https://judge.softuni.org/Contests/3324/Exceptions-and-Error-Handling-Lab"r HYPERLINK "https://judge.softuni.org/Contests/3324/Exceptions-and-Error-Handling-Lab"ror-Handling-Lab](https://judge.softuni.org/Contests/3324/Exceptions-and-Error-Handling-Lab)

* **Money Transactions**

You will receive on the **first** line a collection of bank accounts, consisting of an **account number (integer)** and its **balance (double)**, in the following format:

**"{account number}-{account balance},{account number}-{account balance},…"**

After that, until the **"End"** command, you will receive **commands**, which should **manipulate** the given account`s balance:

* **"Deposit {account number} {sum}"** – **Add** the given sum to the given **account`s balance**.
* **"Withdraw {account number} {sum}"** – **Subtract** the given sum from the **account`s balance**.

Print the following **messages** from the **exceptions** which can be **produced** from your **program**:

* If you receive an invalid command:  
  **"Invalid command!"**
* If you receive an account, which does not exist:  
  **"Invalid account!"**
* If you receive the "Withdraw" command with the sum, which is bigger than the balance:  
  **"Insufficient balance!"**

In all cases, after each received command, print the message:

**"Enter another command"**

After each successful operation print, the new balance is formatted to the second integer after the decimal point:

**"Account {account number} has new balance: {balance}"**

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1-45.67,2-3256.09,3-97.34  Deposit 1 50  Withdraw 3 100  End | Account 1 has new balance: 95.67  Enter another command  Insufficient balance!  Enter another command |
| 1473653-97.34,44643345-2347.90  Withdraw 1473653 150.50  Deposit 44643345 200  Block 1473653 30  Deposit 1 30  End | Insufficient balance!  Enter another command  Account 44643345 has new balance: 2547.90  Enter another command  Invalid command!  Enter another command  Invalid account!  Enter another command |

**Constraints**

* The types of the **elements** of the given command line will be **valid**
* You will always **receive** **3** **elements** in each command line