# More Exercise: C# Intro and Basic Syntax

Problems for exercises and homework for the ["C# Fundamentals" course @ SoftUni](https://softuni.bg/trainings/2363/csharp-fundamentals-may-2019)  
You can check your solutions in [Judge](https://judge.softuni.bg/Contests/1453/)

## Sort Numbers

Read three real numbers and sort them in descending order. Print each number on a new line.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2  1  3 | 3  2  1 |
| -2  1  3 | 3  1  -2 |
| 0  0  2 | 2  0  0 |

## English Name of the Last Digit

Write a **method** that returns the **English name** of the last digit of a given number. Write a program that reads an integer and prints the returned value from this method.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 512 | two |
| 1 | one |
| 1643 | three |

## Gaming Store

Write a program, whichhelps you buy the games. The **valid games** are the following games in this table:

|  |  |
| --- | --- |
| **Name** | **Price** |
| OutFall 4 | $39.99 |
| CS: OG | $15.99 |
| Zplinter Zell | $19.99 |
| Honored 2 | $59.99 |
| RoverWatch | $29.99 |
| RoverWatch Origins Edition | $39.99 |

On the first line, you will receive your **current balance** – a **floating-point** number in the range **[0.00…5000.00]**.

Until you receive the command “Game Time”, you have to keep **buying games**. When a **game** is **bought**, the user’s **balance** decreases by the **price** of the game.

Additionally, the program should obey the following conditions:

* If a game the user is trying to buy is **not present** in the table above, print “Not Found” and **read the next line**.
* If at any point, the user has **$0** left, print “Out of money!” and **end the program**.
* Alternatively, if the user is trying to buy a game which they **can’t afford**, print “Too Expensive” and **read the next line**.
* If the game exists and the player has the money for it, print **“Bought {nameOfGame}”**

When you receive “Game Time”, **print** the user’s **remaining money** and **total spent on games**, **rounded** to the **2nd decimal place**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 120  RoverWatch  Honored 2  Game Time | Bought RoverWatch  Bought Honored 2  Total spent: $89.98. Remaining: $30.02 |
| 19.99  Reimen origin  RoverWatch  Zplinter Zell  Game Time | Not Found  Too Expensive  Bought Zplinter Zell  Out of money! |
| 79.99  OutFall 4  RoverWatch Origins Edition  Game Time | Bought OutFall 4  Bought RoverWatch Origins Edition  Total spent: $79.98. Remaining: $0.01 |

## Reverse String

Write a program which reverses a string and print it on the console.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Hello | olleH |
| SoftUni | inUtfoS |
| 1234 | 4321 |

## Messages

Write a program, which emulates **typing an SMS**, following this guide:

|  |  |  |
| --- | --- | --- |
| **1** | **2**  abc | **3**  def |
| **4**  ghi | **5**  jkl | **6**  mno |
| **7**  pqrs | **8**  tuv | **9**  wxyz |
|  | **0**  space |  |

Following the guide, **2** becomes “**a**”, **22** becomes “**b**” and so on.

### Examples

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 5  44  33  555  555  666 | hello | 9  44  33  999  0  8  44  33  777  33 | hey there | 7  6  33  33  8  0  6  33 | meet me |