**More Exercise: Strings and Text Processing**

Problems for exercise and homework for the ["C# Fundamentals" course @ SoftUni](https://softuni.bg/trainings/2363/csharp-fundamentals-may-2019)  
You can check your solutions here: [Judge](https://judge.softuni.bg/Contests/1338)

* **Extract Person Information**

Write a program that reads **N** lines of strings and extracts the **name** and **age** of a given person. The name of the person will be **between '@'** and **'|'**. The person’s **age** will be **between '#'** and **'\*'**. **Example: "Hello my name is @Peter| and I am #20\* years old." For each** found name and age **print** a line in the following format **"{name} is {age} years old."**

**Example**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 2  Here is a name @George| and an age #18\*  Another name @Billy| #35\* is his age | George is 18 years old.  Billy is 35 years old. |
| 3  random name @lilly| random digits #5\* age  @Marry| with age #19\*  here Comes @Garry| he is #48\* years old | lilly is 5 years old.  Marry is 19 years old.  Garry is 48 years old. |

* **Ascii Sumator**

Write a program that prints a **sum of all characters between two given characters** (their **ascii code**). On the **first line** you will get a **character**. On the **second line** you get **another character**. On the **last line** you get a **random string**. Find all the characters **between the two given** and **print their ascii sum**.

**Example**

|  |  |
| --- | --- |
| **Input** | **Output** |
| .  @  dsg12gr5653feee5 | 363 |
| ?  E  @ABCEF | 262 |
|  | | |  |  |

* **Morse Code Translator**

Write a program that translates messages from **Morse code to English** (**capital letters).** Use [this](https://morsecode.scphillips.com/morse2.html) page to help you (**without the numbers**). The words will be separated by a **space (' ')**. There will be a **'|'** character which you should **replace with ' '** (space).

**Example**

|  |  |
| --- | --- |
| **Input** | **Output** |
| .. | -- .- -.. . | -.-- --- ..- | .-- .-. .. - . | .- | .-.. --- -. --. | -.-. --- -.. . | I MADE YOU WRITE A LONG CODE |
| .. | .... --- .--. . | -.-- --- ..- | .- .-. . | -. --- - | -- .- -.. | I HOPE YOU ARE NOT MAD |

* **HTML**

You will receive **3 lines** of input. On the **first line** you will receive a **title of an article**. On the **next line** you will receive the **content of that article**. On the next **n** lines until you receive **"end of comments"** you will get the **comments about the article**. Print the **whole information in html format**. The **title** should be in **"h1" tag (<h1></h1>);** the **content** in **article tag (<article></article>);** each **comment** should be in **div tag (<div></div>).** For more clarification see the example below

**Example**

|  |  |
| --- | --- |
| **Input** | **Output** |
| SoftUni Article  Some content of the SoftUni article  some comment  more comment  last comment  end of comments | <h1>  SoftUni Article  </h1>  <article>  Some content of the SoftUni article  </article>  <div>  some comment  </div>  <div>  more comment  </div>  <div>  last comment  </div> |