**More Exercises: Basic Syntax, Conditional Statements, and Loops**

Additional exercises for the [Python Fundamentals Course @SoftUni](https://softuni.bg/trainings/3840/programming-fundamentals-with-python-september-2022).

Submit your solutions in the SoftUni judge system at <https://judge.softuni.org/Contests/1720>.

***Note: All the exercises are excluded from your homework!***

* **Find the Largest**

You will be given a **number**. Print the **largest number** that can be **formed from the digits** of the given number.

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 213 | 321 |
| 7389 | 9873 |

* **Find the Capitals**

Write a program that takes a **single string** and prints a **list** of all the **capital letters indices.**

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| pYtHoN | [1, 3, 5] |
| CApiTAls | [0, 1, 4, 5] |

**Hint**

If you do not know what lists are, search them on Google, find out how to create them, and add elements to them.

* **Wolf in Sheep's Clothing**

*Wolves have been reintroduced to Great Britain. You are a sheep farmer and are now plagued by wolves who pretend to be sheep. Fortunately, you are good at spotting them.*

Warn the sheep in front of the wolf that it is about to be eaten. Remember that you are standing at the front of the queue, which is **at the end of the list**:

**[sheep, sheep, wolf, sheep, sheep] (YOU ARE HERE AT THE FRONT OF THE QUEUE)**

**4 3 2 1**

If the **wolf is the closest animal to you**, print **"Please go away and stop eating my sheep"**. Otherwise, return **"Oi! Sheep number N! You are about to be eaten by a wolf!"** where **N** is the sheep's **position** in the queue.

**Note: there will always be exactly one wolf on the list.**

**Input**

The input will be a **single string** containing **the animals** separated by a comma and a single space **", "**

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| sheep, sheep, wolf | Please go away and stop eating my sheep |
| wolf, sheep, sheep, sheep, sheep, sheep | Oi! Sheep number 5! You are about to be eaten by a wolf! |

* **Sum of a Beach**

Beaches are filled with sand, water, fish, and sun. Given a **string**, calculate how many times the words **"Sand", "Water", "Fish", and "Sun" appear** (**case insensitive**).

**Examples**

|  |  |
| --- | --- |
| **Input** | **Output** |
| WAtErSlIde | 1 |
| GolDeNSanDyWateRyBeaChSuNN | 3 |
| gOfIshsunesunFiSh | 4 |
| cItYTowNcARShoW | 0 |