

More Exercises: Basic Syntax, Conditional Statements, and Loops

Please, submit your source code solutions for the described problems to the [Judge System](#).

Note: These exercises are excluded from your homework!

1. 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

2. 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.

3. 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!

4. 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