

Email Validator

Your friend has hired you to help him with his website creation. Your current task is to create an Email Validator.

Create a program that takes in a string and makes it a suitable Email address.

First, you will **receive the email** that the user wants to use, then you will receive commands on how to format the email so that it can be stored properly.

You will receive **commands** until the "**Complete**" command is given.

There are **six** possible commands:

- **"Make Upper"**
 - **Replace** all letters with upper case, then **print** the result.
- **"Make Lower"**
 - **Replace** all letters with lower case, then **print** the result.
- **"GetDomain {count}"**
 - Print **the last {count}** characters of the Email.
- **"GetUsername"**
 - Print **the substring** from the **start of the Email** until the **@ symbol**.
 - If the Email doesn't contain the **@ symbol**, **print**:
"The email {email} doesn't contain the @ symbol."
- **"Replace {char}"**
 - **Replace** all occurrences of the **{char}** with a **dash "-"** and **print** the result.
- **"Encrypt"**
 - **Get** the **ASCII** value of each symbol. Print the result on a single line separated by a single space

Input

- On the **1st line** you are going to receive the **Email in the form of a string**.
- On the next **lines**, until the "**Complete**" command is received, you will be receiving commands.

Output

- **Print the output** of every **command** in the **format described above**.

Examples

Input	Output
<pre>[`Mike123@somemail.com`, `Make Upper`, `GetDomain 3`, `GetUsername`, `Encrypt`, `Complete`]</pre>	<pre>MIKE123@SOMEMAIL.COM COM MIKE123 77 73 75 69 49 50 51 64 83 79 77 69 77 65 73 76 46 67 79 77</pre>
Input	Output
<pre>[`AnotherMail.com`, `Make Lower`, `GetUsername`, `Replace a`, `Complete`]</pre>	<pre>anothermail.com The email anothermail.com doesn't contain the @ symbol. -notherm-il.com</pre>