# Exercise: Strings and Text Processing

This document defines in-class exercise problems from the [“Advanced C#“ Course @ Software University](http://softuni.bg/courses/advanced-csharp/). You are presented with some problems and certain steps you need to take in order to accomplish the tasks.

## Problem 1. Censor Your Email Address

You have some text that contains your email address. You’re sick of spammers, so you want to **hide** it. You decide to **replace all characters** in it with asterisks ('\*') **except the domain**. Assume the email address will always be in format **[username]@[domain]**; you’ll need to replace username with asterisks of equal length and keep the domain unchanged.

In the example below, your email is given on the first line and the text is given on the second line.

In order to accomplish the task, you may find these steps useful:

* **Split** the email into two parts – username and domain
* Create the **replacement** string by concatenating a string containing '\*' (with length equal to username.Length) with '@' and the domain.
* **Replace** all occurrences of your email with the replacement string.

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| **Input** | **Output** |
| pesho.peshev@email.bg  My name is Pesho Peshev. I am from Sofia, my email is: pesho.peshev@email.bg (not pesho.peshev@email.com). Test: pesho.meshev@email.bg, pesho.peshev@email.bg | My name is Pesho Peshev. I am from Sofia, my email is: \*\*\*\*\*\*\*\*\*\*\*\*@email.bg (not pesho.peshev@email.com). Test: pesho.meshev@email.bg, \*\*\*\*\*\*\*\*\*\*\*\*@email.bg |