

## Homework #8

*Due: December 2, 2020, Wednesday, 23:59.*

### Strings: Censored lyrics

In this homework, you will be censoring the lyrics of a song. You are given a starter file with the text that you will manipulate. This text is the lyrics of a song corrupted with some symbols between the lines.

Your program should do the following:

- In the given string, replace all multiple spaces with one space.
- Write a function that scans the given text. Whenever you come across “@, &, % or \$”, take the text until that point and print it as a single line. Skip the symbol, start the next line from the letter right after the symbol and print it until you come across another symbol. The function should return nothing to its caller.
- Print all lyrics line by line on the screen using the above function.
- Ask the user which word s/he wants to censor.
- Find all the repetitions of the word in the text, change the letters to stars (\*), except the first letter.
- Ask the user if s/he wants to censor more words again and again until the answer is no.
- Print the new lyrics with censored words on the screen (using the above function) and print a message indicating which word was censored how many times.

Make sure you place comments in your program. Place your name, ID and date the program was written as comments at the top.

You should only use the features and commands you have learnt until this homework was given.

Sample screen output is given on the next pages.

Name your Python py-file as h08yourlastname.py and then upload it to Blackboard Learn at <https://ku.blackboard.com>. Anyone e-mailing his/her homework will lose points!

**While doing all your homework assignments, remember that:**

- You should not work together,
- You should not give or take any files,
- You should not give or take help other than simple verbal hints.

Lyrics:

We're no strangers to love  
You know the rules and so do I  
A full commitment's what I'm thinking of  
You wouldn't get this from any other guy  
I just wanna tell you how I'm feeling  
Gotta make you understand  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and desert you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a lie and hurt you  
We've known each other for so long  
Your heart's been aching but you're too shy to say it  
Inside we both know what's been going on  
We know the game and we're gonna play it  
And if you ask me how I'm feeling  
Don't tell me you're too blind to see  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and desert you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a lie and hurt you  
No, I'm never gonna give you up  
No, I'm never gonna let you down  
No, I'll never run around and hurt you  
Never, ever desert you  
We've known each other for so long  
Your heart's been aching but  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and desert you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a lie and hurt you  
No, I'm never gonna give you up  
No, I'm never gonna let you down  
No, I'll never run around and hurt you  
I'll never, ever desert you

Enter the word you want to censor: **desert**

5 incident(s) found!

Do you want to censor more words? **maybe**

Please give a proper answer!

Do you want to censor more words? **y**

Enter the word you want to censor: **she**

0 incident(s) found!

Do you want to censor more words? **y**

Enter the word you want to censor: **lie**

3 incident(s) found!

Do you want to censor more words? **N**

Censored lyrics:

We're no strangers to love  
You know the rules and so do I  
A full commitment's what I'm thinking of  
You wouldn't get this from any other guy  
I just wanna tell you how I'm feeling  
Gotta make you understand  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and d\*\*\*\*\* you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a l\*\* and hurt you  
We've known each other for so long  
Your heart's been aching but you're too shy to say it  
Inside we both know what's been going on  
We know the game and we're gonna play it  
And if you ask me how I'm feeling  
Don't tell me you're too blind to see  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and d\*\*\*\*\* you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a l\*\* and hurt you  
No, I'm never gonna give you up  
No, I'm never gonna let you down  
No, I'll never run around and hurt you  
Never, ever d\*\*\*\*\* you  
We've known each other for so long  
Your heart's been aching but  
Never gonna give you up  
Never gonna let you down  
Never gonna run around and d\*\*\*\*\* you  
Never gonna make you cry  
Never gonna say goodbye  
Never gonna tell a l\*\* and hurt you  
No, I'm never gonna give you up  
No, I'm never gonna let you down  
No, I'll never run around and hurt you  
I'll never, ever d\*\*\*\*\* you