

# Exercise 6: Text Messages

## The LiFi-project

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### OVERVIEW

In the sixth exercise of the LiFi-project ...

Here are the relevant lessons of the online script. Make sure you study them carefully in order to solve this exercise:

- [16 - Text Processing](#)
- [17 - Don't Repeat Yourself](#)
- [18 - Text Messages](#)

Good Luck!

### YOUR TASKS

To pass this exercise, you must complete the following tasks and submit your results via [ILIAS](#). You find the details on the form of submission below.

1. ...

2. ...

3. ...

### SUBMISSION

For this exercise, please submit:

- ...
- ...

- ...

Submit all files via the corresponding exercise in [ILIAS](#).

## MORE EXERCISES TO PRACTICE

The following tasks are for you to practice your skills. They are optional and not part of the submission.

### X. To Lowercase

Write your custom function `to_lower` to convert any given string to lowercase letters only. According to [the lesson in the online script](#), the function needs to perform the following steps:

1. The function takes a string argument and iterates through each character in the string.
2. For each character, the function checks whether it is an uppercase letter by comparing its ASCII code to the range between 65 and 90, which are the ASCII codes for uppercase letters. We can get the ASCII code of a character using the `ord()` function.
3. If the character is an uppercase letter, the function adds 32 to its ASCII code, which effectively converts it to the corresponding lowercase letter. Then, it converts the new ASCII code back to a character using the `chr()` function and adds it to a result string variable.
4. If the character is not an uppercase letter, the function simply adds the character to the result variable without modification.
5. After all characters have been processed, the function returns the result variable containing the converted string.

## MORE QUESTIONS TO PRACTICE

Try to answer the following questions to practice your understanding of the topics around the LiFi-project. The questions are optional and not part of the submission.

- ...