Assignments for the re-exam:

Report in Informatics for Engineering II (WS 2022/2023)

Task : Development of a function that determines the similarity of two strings

The task is to write a python program that determines the similarity of two phrases given under the form of two strings that have arbitrary number of words. The function determining the similarity should implement the "Cosine Similarity" algorithm described under section 2.4.7 in the uploaded pdf document under the same name. The program should not use any import module other than "math" and/or "numpy".

Part of the final report addressing this task should contain a short description of the implementation you have developed and adopted as well as the afferent python program file that should be uploaded as annex. The implementation must be validated by testing the program with different input strings that determines their similarity values, including extreme cases of exact same strings and completely dissimilar ones. The validation test results should be documented in the report.

You should provide your own individual work with the program files containing comments at appropriate places (*attention, any form of plagiarism will be penalized with a fail grade !!!*)