**HOMEWORK 2**

Results of educational quality survey are saved in the table **survey**. For a given lecturer, a survey score is calculated by method ***surveyScore(String ID, String surveyType)***. The method calculates a score depending of results of students’ survey for two types of surveys (A and B) up to the following formula:

*medians∈List*

*List* is a list of surveys for the given lecturer in the table **survey**. Parameters *f1* and *f2* for each type of report are saved in the table **settings**. Students’ grades are integer numbers from 1 to 5.

**Unit testing** in Java

1. Refactor the code of the class ***universalScoring*** (from the attached project **hw2\_unit\_testing**) to be testable one. Take care that functionality was not changed!
2. Write a complete Junit test suit for the method ***surveyScore()*** by using constructor dependency injection approach (test cases have to be independent from the database).

**Don't forget test cases description and code notes about performed changes!**

**Note:** The tables **survey** and **settings** are saved in the backup file hw2.sql. To import data first you have to create a scheme **sakila**.

**Format of submission:**

Homework is submitted on Moodle as a ".zip" file called G<#>-<first submitter ID1>\_<second submitter ID2>\_HW1.zip or G<#>-<submitter ID>.zip if you are alone.

**It has to include full eclipse project but not single files like <>.java or <>.jar.**

**Submission date**: 06.01.2020 until 8.00 p.m.