

Project Assignment - Part 2

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Introduction

In **Part 2** of the project you are required to solve some problems on the database you created in Part 1. Solve the exercises using Sequel Server Integration Services (SSIS) with computation on client side (i.e., **do not use any sql command in the nodes, only standard SSIS nodes**). Each group has to solve only three assignments. Look at the section with your groupid to find what assignments you need to do. Deliver your project with all the required packages in a single .zip folder, named LDS_GroupID_part2.zip.

Groups from 2 to 9

Assignment 0

For every year, the users ordered by total number of answers

Assignment 1

For every subject, the *correctness confidence index* is defined as the ratio between correct answers and wrong answers multiplied by the average confidence. Provide such index for every subject, considering only German and English students.

Assignment 2

For each region, the percentage of correct answers with respect to the country of origin.

Groups from 10 to 17

Assignment 0

For every subject, the number of correct answers of male and female students.

Assignment 1

A subject is said to be *easy* if it has more than 90% correct answers, while it is said to be *hard* if it has less than 20% correct answers. List every *easy* and *hard* subject, considering only subjects with more than 10 total answers.

Assignment 2

For each country, the student or students that answered the most questions correctly for that country.

Groups from 18 to 25

Assignment 0

For every country, the number of total answers.

Assignment 1

A group (identified by GroupId) is said to have an *age mismatch* if the difference between the date of birth of the youngest participating student and the oldest is greater than 365 days. List all the groups with an *age mismatch*.

Assignment 2

For each continent the ratio between correct answers of males and correct answers of females