QUIZ ASSIGNMENT 2 // variant A

TOTAL SCORE : **14 points**

1. Display ranking of each university by year using below window functions:
   a. Use RANK(), DENSE_RANK(), ROW_NUMBER();
   b. Display *university_name, year,* and *country_name.*

2. Write previous task [1] joining CTE (common table expression) with Permanent tables.

3. Find out MIN, MAX and AVG scores of each university using partitions. Display these results alongside with *university_name* and *country_name.*

4. Display only universities, where number of international students is greater than average number of all international students:
   a. Use multiple CTE's.

5. Display number of students by using partition by country:
   a. display RANK();
   b. display *university_name*;
   c. display total number of all students by each country;

6. Find out total number of female and male students for each country:
   a. Use Temporary table, when writing queries;
   b. Convert result set into CSV file format and create Vertical Bar Chart (male and female results in one bar).

7. Find out total number of all students and all international students by each academic year:
   a. Convert result set into CSV format and create Vertical or Horizontal Bar chart displaying total number of all students alongside with all international students by each academic year.

8. Using window functions, find out the first value and the last value of scores of each university and calculate progress of students (difference between first and last):
   a. Display all results alongside university_name and year.