

# Task

1. Design database (create models) in PowerDesigner or Oracle Data Modeler
2. Generate script;
3. Generate database using script ;
4. Insert given in *data.xlsx* file data into database;
5. Extract data for every table using SELECT statement.
6. Put all results in PowerPoint and .txt files;
7. Upload to ORTUS (one upload per team) before 22.00.

# Upload requirements

1. One upload per team;
2. Two files should be uploaded:
  1. .pptx file with following slides:
    1. Students' names
    2. Conceptual diagram
    3. Slide: Physical diagram
    - 4.-n: Extracted data for every table using SELECT statement
  2. .txt file: DB generation script

# Car Rental company

Stores information about:

- Cars manufacturers (manufacturer name, country, sales representative name and phone);
- Owned cars (including car number, car model and manufacturer, class, production year);
- Customers (name, address, phone, e-mail);
- Rental information (customer, car, rental start date and return date, cost);
- Car maintenance log (car, date, procedure, mileage, cost)

Data.xlsx file contains data that can be changed in the future.

# Output formatting in SQLPlus

- For varchar: `column [column name] format a[n];` where *column name* – attribute to format and *n* – number of symbols.  
Example: `column FIRSTNAME format a10;`
- For number
  - Integers: `column [column name] format 99999;`
  - Floats: `column [column name] format 9999.99;`
- For date: `alter session set NLS_DATE_FORMAT='DD-MM-YYYY';` where 'DD-MM-YYYY' needed format.