

## INSTRUCTIONS

Create a database **using SQL Developer** represents tables of courses, tutors, students, and their points and marks. One person can take up to 10 courses. All courses have week homework, quizzes, and final exams and should be finished before their deadline. From received points, the final mark will be evaluated. The later a client sends the homework, the less points he can obtain. With all finished on time homework parts, a student can omit the final exam with the good final mark. Draw an ER diagram and UML schema of this database. Write SQL code creating tables and insert some data into them (look at the exemplary university project).

If you have a smart idea, you can add, remove, transform, or change some tables (both entities and relationships).

# MASSIVE OPEN ONLINE COURSE

## DESCRIPTION OF THE PROJECT

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32.

The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested. Sections 1.10.32 and 1.10.33 from "de Finibus Bonorum et Malorum" by Cicero are also reproduced in their exact original form, accompanied by English versions from the 1914 translation by H. Rackham.

## DIAGRAM

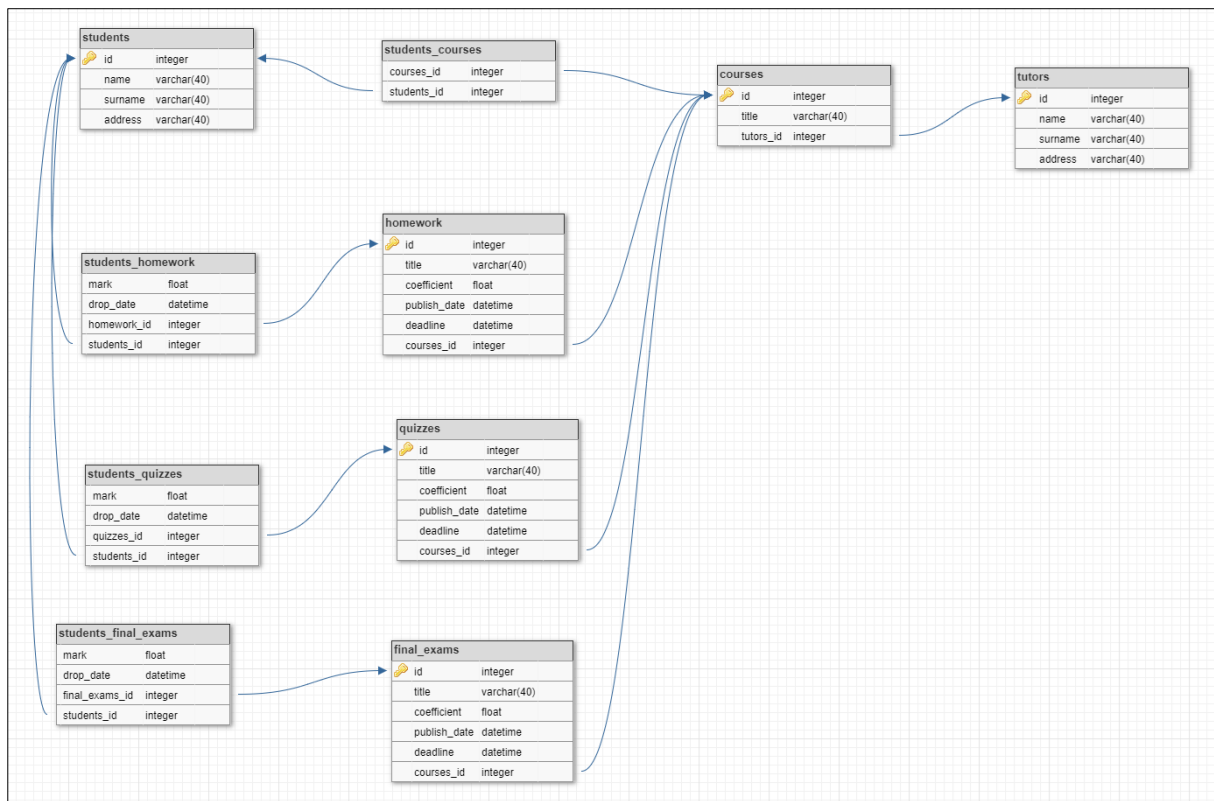


Figure 1: RD DIAGRAM

### Useful features

To change format when you are looking to the table: **Tools/Preferences/Database/NLS/Date\_format: DD/MM/YYYY HH24:MI:SS**

Active output with (DBMS\_OUTPUT.PUT\_LINE(' message '));): **SET SERVEROUTPUT ON;**

Random data generator: <https://www.mockaroo.com/>