

Προηγμένες Βάσεις Δεδομένων

SQL and Accessing a Database

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Deadline: January 27, 11:59pm

1 Introduction

The goal of the 2nd part of your course project is to

- ❖ Translate your queries from Assignment 1 into SQL;
- ❖ Create a database for your project;
- ❖ Add some SQL commands in your database;

For this milestone, you will have an occasion to apply the material of the lectures on SQL. You will use MySQL.

1.1 SQL queries

Given the text queries from Assignment 1, you are now asked to translate them (and/or any similar ones that have come up since) into SQL and run them on top of a database that you will create and fill in with proper values. Feel free to change the queries if you think this is necessary, *e.g.*, the initial query you had in Assignment 1 cannot be translated into SQL. The following describes the steps that you should take towards that:

Translate your Assignment 1 queries into SQL and run them. This means that you should create a file with all SQL statements for creating the DB. The database tables created for your DB should be the ones that you translated from ER to relational;

Fill in your database with real values so that you can run queries on top of it. There is no minimum or maximum number of tuples to be included. Please make sure that the queries you run return results (no empty tables);

On top of the above, include SQL queries for 2 deletions, 2 insertions and 2

updates;

1.2 Deliverables

The deliverables will be:

- ❖ An “export” file containing the SQL statements to create and populate your database;
- ❖ A file containing all your SQL queries;
- ❖ Print outs of your query statements in PLAIN ENGLISH as well as SQL;

1. A brief report describing the steps you took to write, load, and export the SQL. This should be supported by screenshots of the necessary steps. Imagine that you are preparing a manual for a first-time user of the application.

Your submission should:

- include your names and group number;
- be typed - no handwritten submissions will be accepted;

1.3 Deadline and Submission

The work is to be submitted on the course Blackboard page by

Friday, April 6th, 2018, 11:59pm