



# Databases and SQL Queries

*Due August 24<sup>th</sup>, 2021*

A few years ago, I gave courses at an American university. The department kept a list of faculty members in one of the very early computers. There was only one faculty table:

Faculty
facFirstName
facLastName
degree1
degree2
degree3

There were three fields to hold information about instructors' degrees. The data in each degree field looked like: MS in Computer Science, 2018, AUB.

- Revise the above collection to correct any problems that you find in this design. Explain in a readme file all the design errors.
- Draw the ER diagram for your corrected model
- Write in one SQL file (.sql) the below queries:
  - Select all the degrees of all the instructors in this university
  - Select the first name of the instructors who earned an MS degree in Computer Science
  - Delete all instructors
  - Insert a new record to this table
- Commit and push the ER diagram and your SQL queries to your GitHub repository (create a new folder called "SQL Queries" and put your work inside)