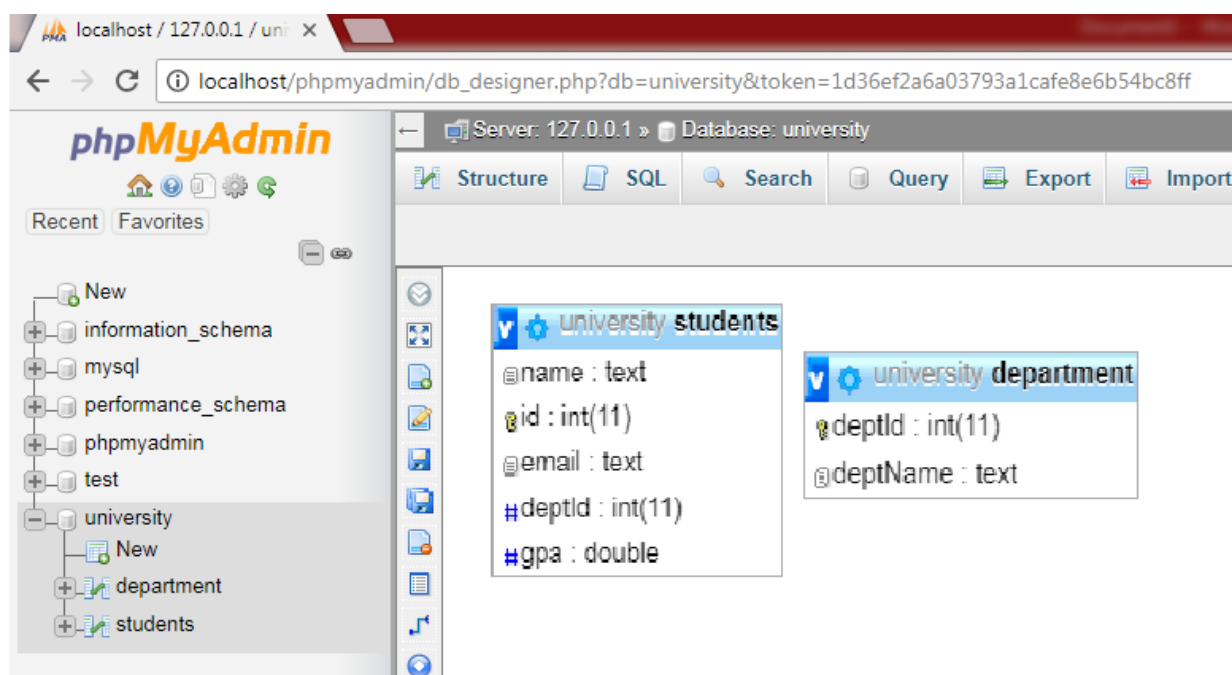


## PHP Lab#5

### Objective

- **PHP Database connectivity (how to Access MySql).**
- **Using PDO - Portable Data Objects to Access MySql.**
- **Pattern (Put database connection information in a single file (outside public domain) and include it in all other files).**

**Using PHPMyAdmin to build “university” database that has two basic tables “students” and “department” as shown in the following diagram:**



- 1- Write a PHP script (with file name “pdo.php”) to connect to university database.
- 2- Design a PHP script that performs the registration form for a student’s data.
- 3- Design a PHP script to display all students registered in this database.
- 4- Design some PHP scripts to display:
  - a) All students in Math Dept.
  - b) All student in Biology Dept. with gpa > 3.1.
  - c) Display Depts. That have more than 20 students.
- 5- Design a PHP script that can be used to delete a student from database.

**Note that the files associated with this question including the answers for points 1, 2, and 3.**

**The students try to answer points 4 and 5 and to improve the display of data.**

### Important Note:

**Each student is required to deliver a small project (10 marks) that contains a small database. The project will be evaluated according to the following:**

- 1- Use the professional methods of PHP as much as possible.
- 2- Possibility of controlling the database as much as possible via the html interfaces (registration, deletion, display, ...).
- 3- Efficient and interesting presentation of the project.
- 4- Try to use javascript code to make the client able to change the background, the font color,... of the data in the browser.

**The PHP files of the project is delivered with a few description of used database (word file) to the instructor or lecturer assistant of PHP Lab. All files located in folder with your name and your division.**