CS210 - Assignment 3

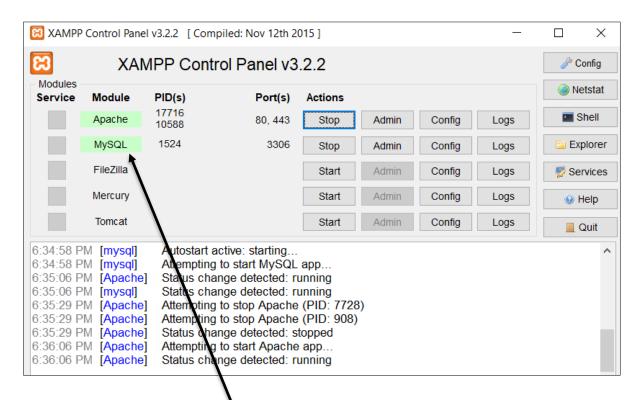
Creating MySQL databases locally

Note

In this assignment, I assume that you have already installed XAMPP on your computer (as was explained by assignment 2)

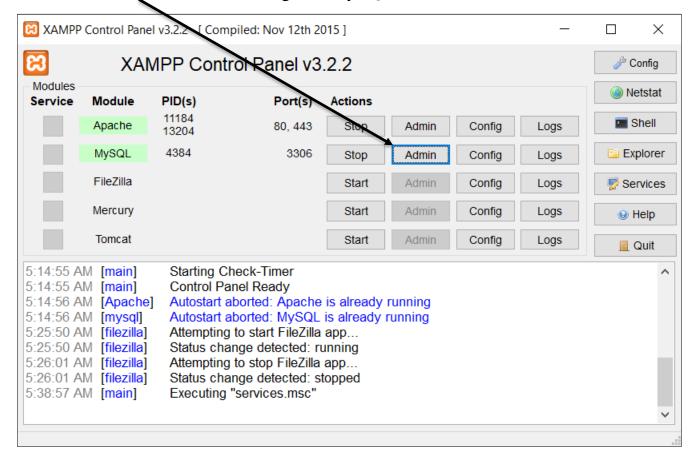
1. Creating MySQL database

Run XAMPP Control Panel

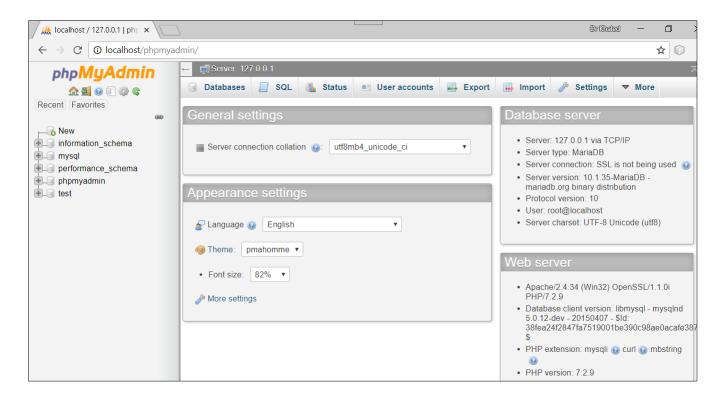


Make sure that MySQL is started (as mentioned by assignment 2)

Click on the **Admin** button to the right of MySQL:

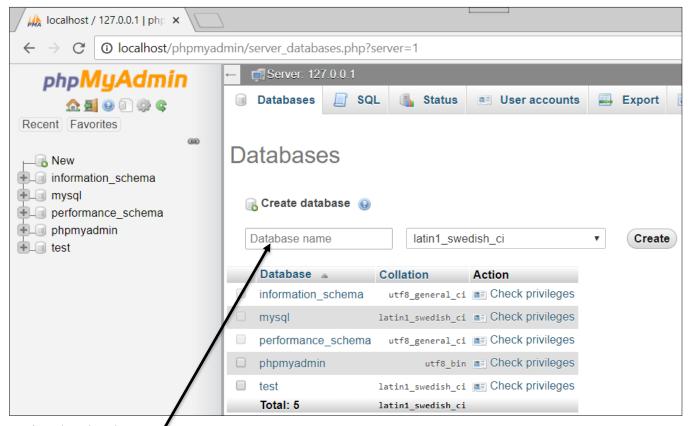


The following webpage will be opened:

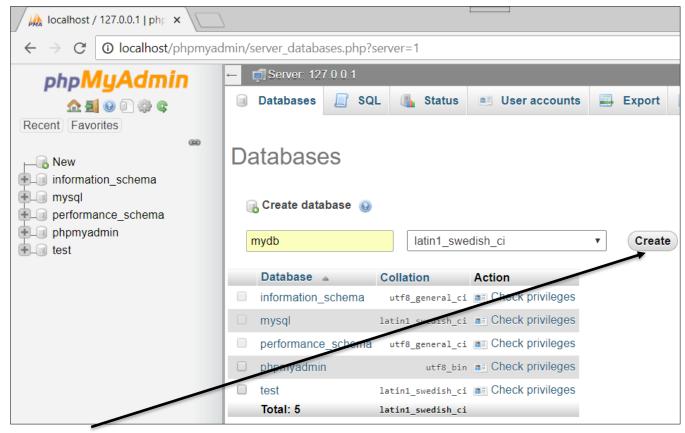




Click **New** to create new database

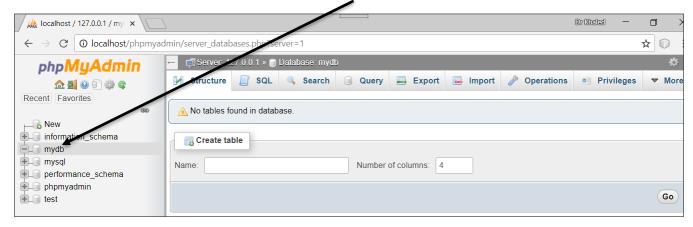


Write the database name



Click Create

The new database will be created as shown below:



2. Creating new table inside the MySQL database

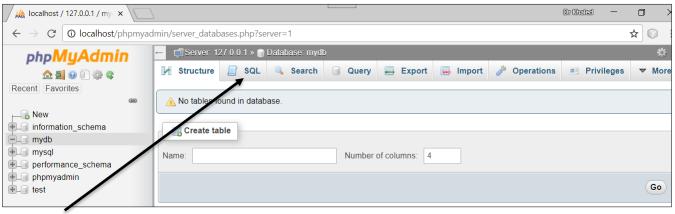
Assume that you want to create the following table, called *Students*, inside your MySQL database:

Id	Major	Minor
19432	Computer Science	Statistics
73462	Math	
54362		
87421	Physics	Math

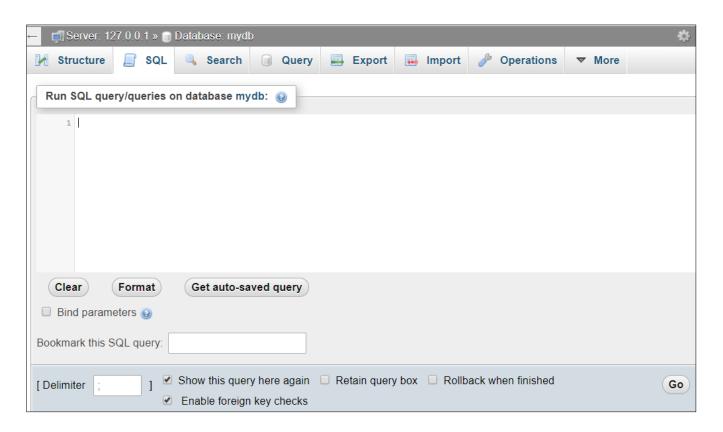
And assume that the primary key of the table is the **Id** column

2.1 Creating new table using MySQL statement

You can write single SQL statement to create the table

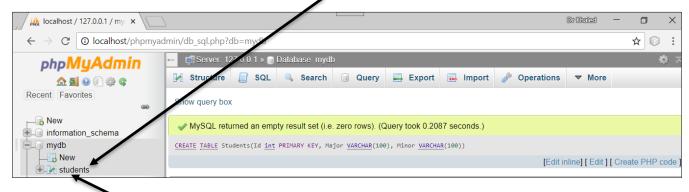


Click SQL

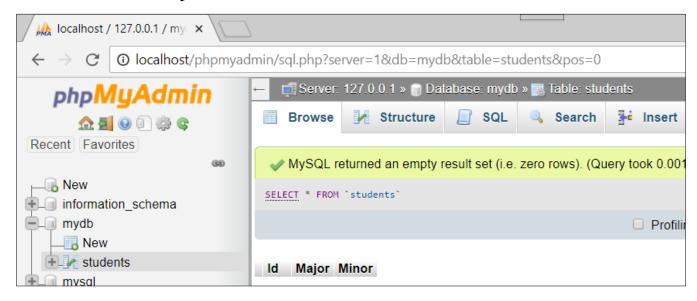


Write the suitable SQL statement to create the table then click Go

The new table will be created as shown below:



Click on the table to open it



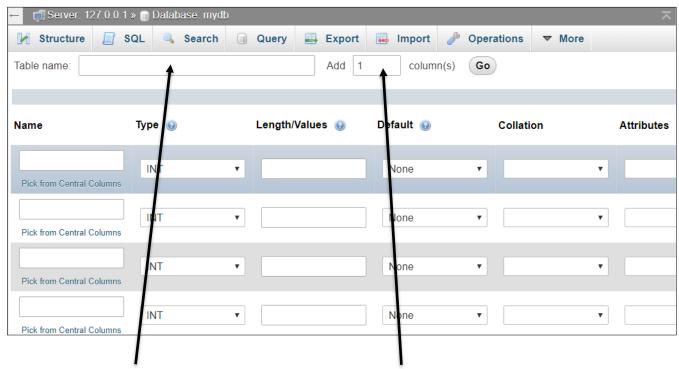
2.2 Creating table using Wizard

If you do NOT want to write SQL statement to create the table, you can create it using Wizard.

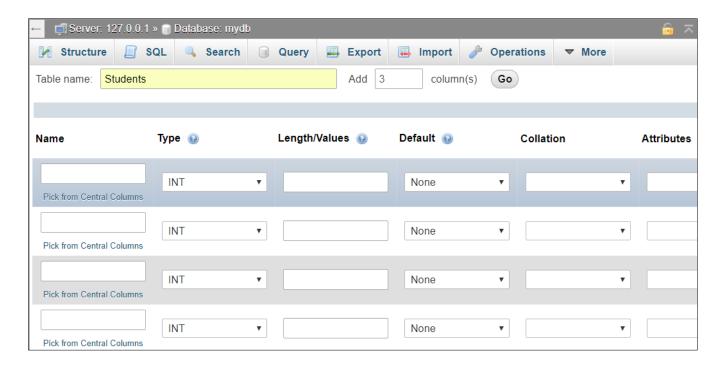
Click **New** under your database name to create a new table



The following webpage will be opened:



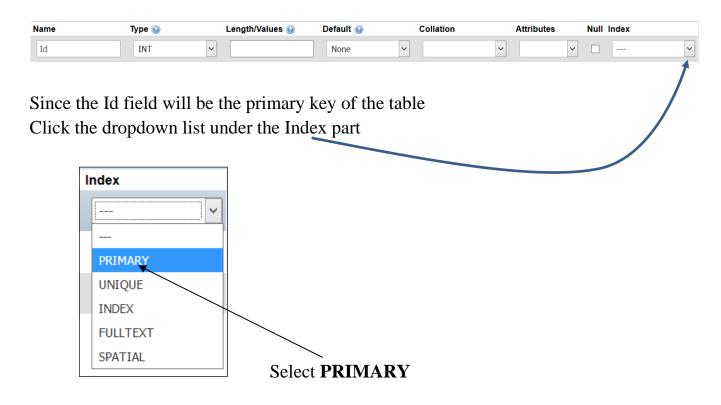
Specify the table name and the initial number of columns



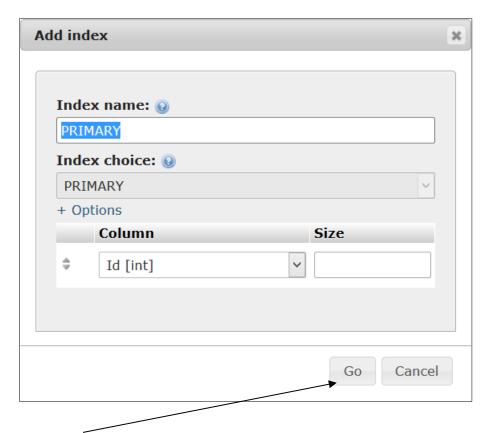
After specifying the table name and the number of columns, you are required to enter the Name, the Type, and the Length of each column (field) in your table

The first field **Id:**

The field Name **Id**, and the field Type is **INT** (which is the default data type)



The following dialog box will be displayed:



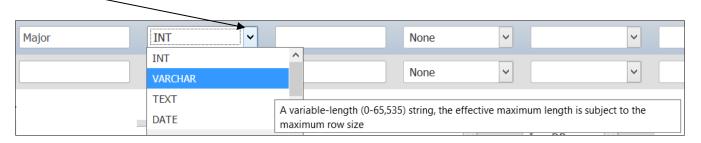
Click Go

Now the Id field is set as the primary key of the table

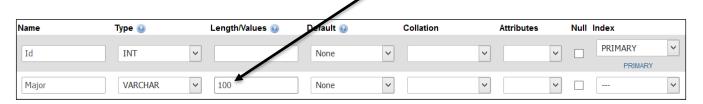
The second field **Major**:

The field Name **Major**, and the field Type is **VARCHAR** (because this is a String value)

Click here to select the field data type

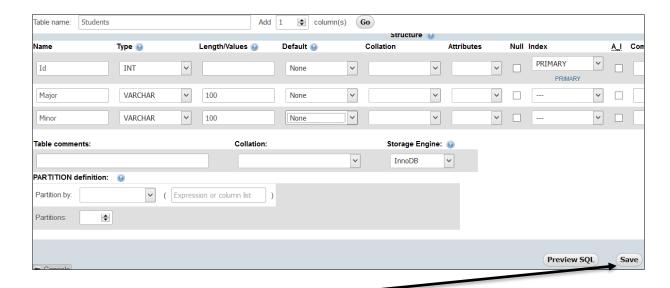


Since the Type of the Major field is **VARCHAR**, you should specify the length of the field (allowed number of characters) as shown below:



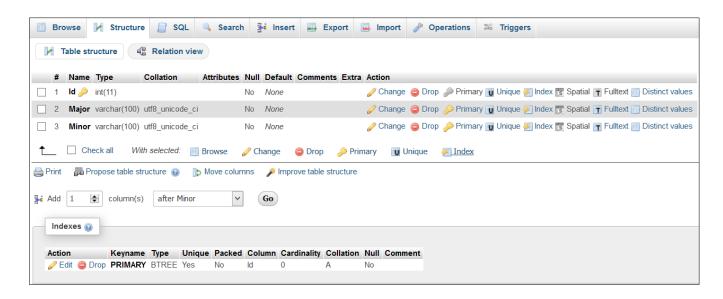
The third field **Minor**:

The field Name **Minor**, and the field Type is VARCHAR (because this is a String value) Again, since the Type of the Minor field is VARCHAR, you should specify the length of the field



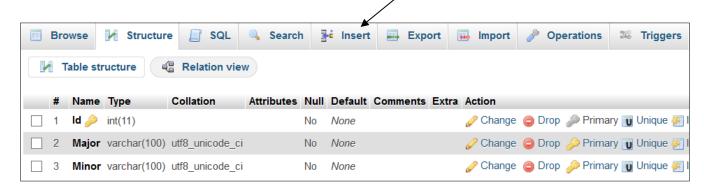
Finally, click Save-

If the table was created successfully, the following webpage will be displayed:

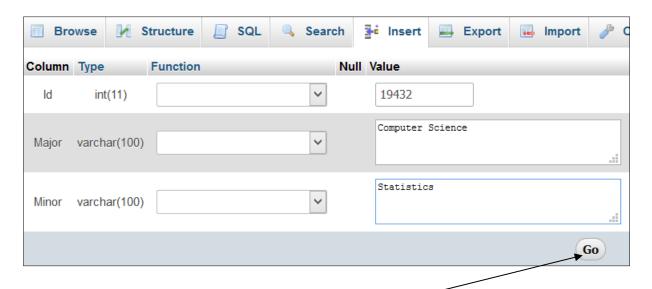


3. Inserting Records (rows) into the table

To start adding records (rows) to the table, click Insert



The following webpage will be displayed:

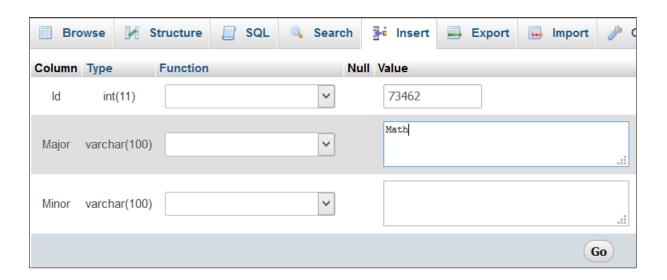


Enter the field values of the new record then click Go

The following webpage will be displayed:



Again, to insert a new row, click Insert



Again, enter the field values of the new record then click Go



Finally, to display data (records) in the table, click **Browse**

