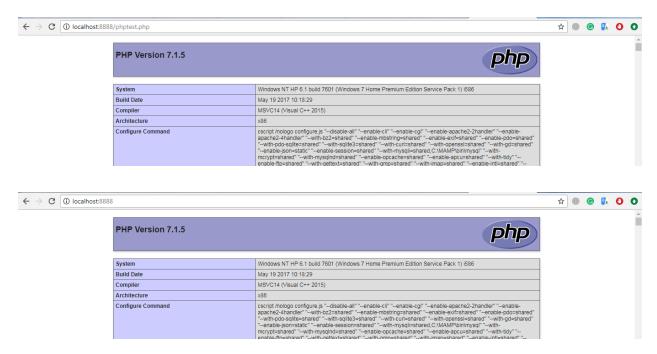
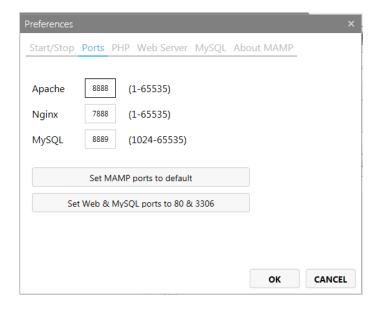
AIT-Lab-03 (Exercises 7-9) By Amir Ebrahimi

Mamp is used as a server. Hence there is no need to install PHP bundle and MySQL. At first, "DocumentRoot "F:\MAMP\cgi-bin"" line should be changed to "DocumentRoot "F:\MAMP\htdocs"" line in the httpd.conf file since in the first lab we changed it in order to compile c++ file. Phpinfo() function is called in a php file, named phptest, in the htdocs, and the server is restarted. If we go to the homepage, forbidden error will be appeared without the address (You don't have permission to access / on this server). The name of the file is changed to index.php, and it will be worked without the address. The reason is that file as the main page has to be called index in the directory and nothing else.



MySQL Workbench is installed. When Mamp is running, we can connect to the database. The ports used in Mamp is editable in the ports tabs in the preferences or in the httpd.conf file in the /conf/apache directory.



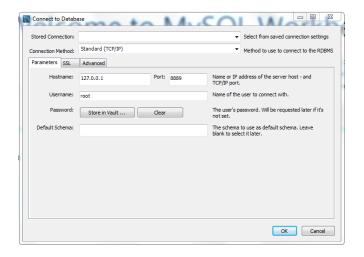
The username and password for accessing the database is accessible in the config.inc.php file in the /bin/phpMyAdmin directory.

```
| Gordginchp | Gor
```

Also the information of the MySql is in the /MAMP:

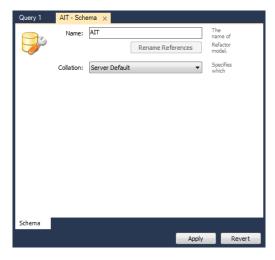


As it is shown in the picture, port is 8889, username is root, and password is root. Now it is time to access the database in the MySQL Workbench.





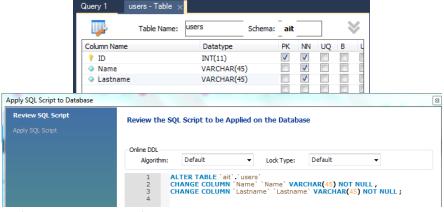
There is a button, named create a new schema in the connected server, for creating a database called AIT.



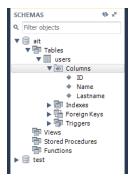
This is just a GUI. Hence, there is a need to apply the SQL scripts for everything. Also it seems that the name should be saved in lowercase.



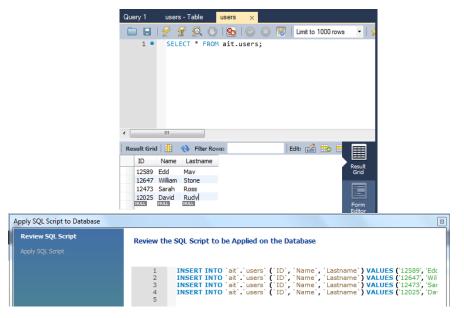
A table, called users, with ID, Name, and Lastname columns is added.



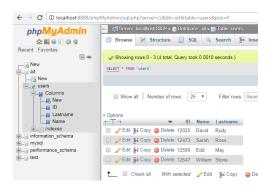
Third Lab- by Amir(aebrahimi@unibz.it)



It is time to add some records in the table.



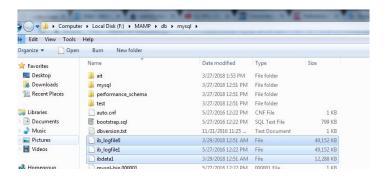
Also, the database is accessible from phpMyAdmin, and we can get query from the console of it:



At first, mysqli, select_db, and query are used but they do not work properly.



I searched a lot about it. Someone tells that we should delete something from /MAMP/db/mysql:



Or adding a new environment variable, named MAMP_MYSQL with the value of the bin directory of mysql in the MAMP/bin or adding it in the PATH variable. As I understood considering the port number and one database are required. It is possible to mention one database by default at first, and then change it to another one.

mysqli_real_connect, mysqli_select_db, mysqli_query, and mysqli_close are used. In the class of Connector, two variables, named link and succCon are defined. In the constructor, link should be initialized. The variable of link is too important for the methods. Four methods are used:

In the connect function, five parameters are required. Port number and db are additional rather than the proposed parameters of the connect in the instruction. As it is shown, link is one of the parameters of mysqli_real_connect.

link is used as a parameter of mysqli_select_db in the chooseDB function:

```
public function chooseDB($dbname)
{
    $selectDb = mysqli_select_db($this->link,$dbname);
    if(!$selectDb)
    {
        die("Error in Selecting DB: " . mysqli_error($this->link));
    }
}
```

one string which is the query and link are the parameters of mysqli_query in the queryDB function. The results are stored in an array. It is shown in a table.

```
public function queryDB(Squery)
{
    $result = mysqli_query($this->link, $query);
    if(!$result)
    {
        id ("Error in Query: " . mysqli_error($this->link));
    }
    echo "
        table>
        tr>>location = mysqli_fetch_array($result, MYSQLI_ASSOC))
    {
        echo "
        tr>> cho "
        tr>> srow["ID"]."
        tr>> srow["ID"]."
        tr>> srow["Name"]."
        tr>> srow["Lastname"]."
        tr>
        if(!$result);
    }
}
```

Close function:

```
public function close()
{
    mysqli_close($this->link);
}
```

The class is saved in a php file, named connector.php. In another php file, named client.php, we should include the first php file, and create an instance of that class, and call the functions. A CSS file is included in a style tag.

```
E<style>
    <?php include 'styles.gsa'; ?>
    </style>

E<?php
include 'connector.php';

$connectorObject = new Connector;
$connectorObject->connect('root', 'root', 'test', 'localhost', 8889);
$connectorObject->chooseDB('ait');
$connectorObject->queryDB("SELECT * FROM users");
$connectorObject->close();
```

As it is told, the third parameter of the connect function (database name) is not important. In the chooseDB function we can change it. If wrong parameter is entered for each function. The appropriate error should be appeared.



Connect Error: Can't connect to MySQL server on 'localhost' (10061)

Error in Selecting DB: Unknown database 'aitttt'

Error in Query: Table 'ait.user' doesn't exist

The output:

