Exercise 7

1. Download php 5 and install it on C:\
2. Go to httpd.conf and then add the below content:

```
LoadModule php5_module "c:/php/php5apache2_4.dll"
AddHandler application/x-httpd-php .php
# configure the path to php.ini
PHPIniDir "C:/php"
```

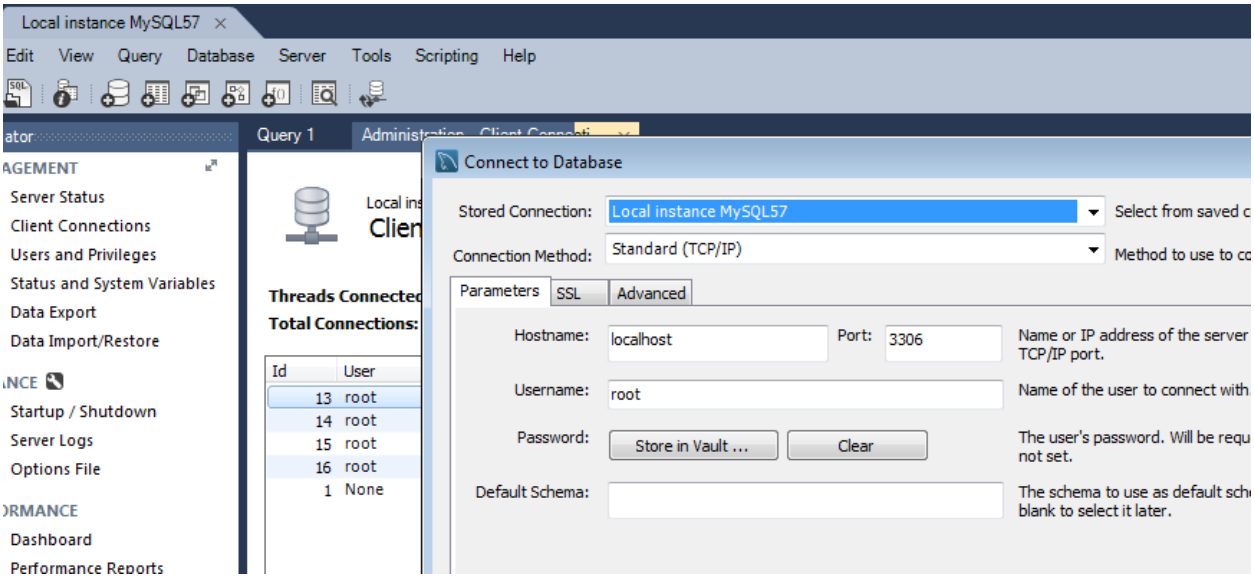
3. Go to htdocs and create a file called phptest.php
4. In phptest.php, add the php code “<?php phpinfo(); ?>”
5. The result is like below:

PHP Version 5.6.35

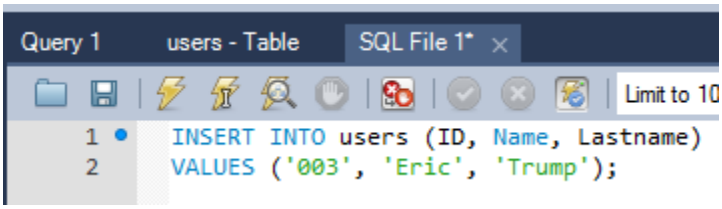
System	Windows NT WINCTRL-GFST2VR 6.1 build 7601 (Windows 7 Professional Edition Service Pack 1) AMD64
Build Date	Mar 29 2018 14:22:10
Compiler	MSVC11 (Visual C++ 2012)
Architecture	x64
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--disable-isapi" "--enable-debug-pack" "--without-mssql" "--without-pdo-mssql" "--without-pi3web" "--with-pdo-oci=c:\php-sdk\oracle\x64\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-sdk\oracle\x64\instantclient_12_1\sdk,shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--without-analyzer" "--with-pgo"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\Windows
Loaded Configuration File	C:\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20131106
PHP Extension	20131226

Exercise 8

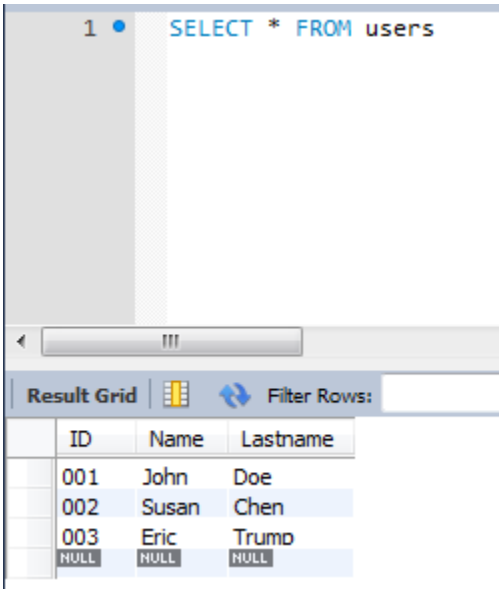
1. Download MySQL 5.7 x64 and install it
2. Download Workbench and install it
3. Run MySQL once the installation has been finished
4. Run Workbench once the installation has been finished
5. Connect to MySQL by clicking Database tab from the menu, fill out all information needed, and click ok button



6. Create a schema named as ait
7. Using query to insert three records with three columns made by ID, Name, and Lastname.



8. Check the overview of the database as the following:



Exercise 9

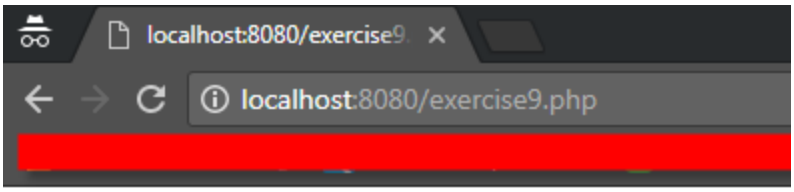
1. Create a php class as below which contains 4 methods, connect, select_db, query, and close:

```php
<?php
class exercise9{
    private $conn;
    function connect($servername, $username, $password){
        // Create connection
        $this->conn = mysqli_connect($servername, $username, $password);
        // Check connection
        if (!$this->conn) {
            die("Connection failed: " . mysqli_connect_error());
        }
        echo "Connected successfully<br>";
    }
    function select_db($name){
        if ($this->conn->select_db($name)=== TRUE){
            echo "select the db " . $name . " successfully <br>";
        }else{
            echo "Error for selecting db: " . $name . "<br>" . $this->conn->error;
        }

    }
    function query($input){
        //Query db
        $sql = "Start querying...\n";
        $result = $this->conn->query($input);

        if ($result->num_rows > 0) {
            // output data of each row
            while($row = $result->fetch_assoc()) {
                echo "id: " . $row["ID"]. " - Name: " . $row["Name"]. " " . $row["Lastname"]. "<br>";
            }
        } else {
            echo "0 results";
        }

    }
    function close(){
        $this->conn->close();
        echo "Close db<br>";
    }
}
```

2. Create another php file to call the class and execute for selecting all from users table as below:

```php
$servername = "localhost";
$username = "root";
$password = "Airny719";
$dbname = "ait";
$query = "select * FROM users";
echo "Start...<br>";
$mysqlink = new exercise9();
$mysqlink->connect($servername, $username, $password);
$mysqlink->select_db($dbname);
$mysqlink->query($query);
$mysqlink->close();
echo "end..."
?>
```

3. Open this php file by web browser



Start...
Connected successfully
select the db ait successfully
id: 001 - Name: John Doe
id: 002 - Name: Susan Chen
id: 003 - Name: Eric Trump
Close db
end...