

웹응용프로그래밍

김태운

부산대학교 정보의생명융합대학 정보컴퓨터공학부



Lab 06. Working with DB

WARNING

- What to upload on PLATO
 - A zip file including all source code and files for this assignment
 - if not, points will be taken out
 - PPT report file
 - After completion, attach required screenshots in the PPT report file
 - Submit the PPT report as well
 - if not, points will be taken out

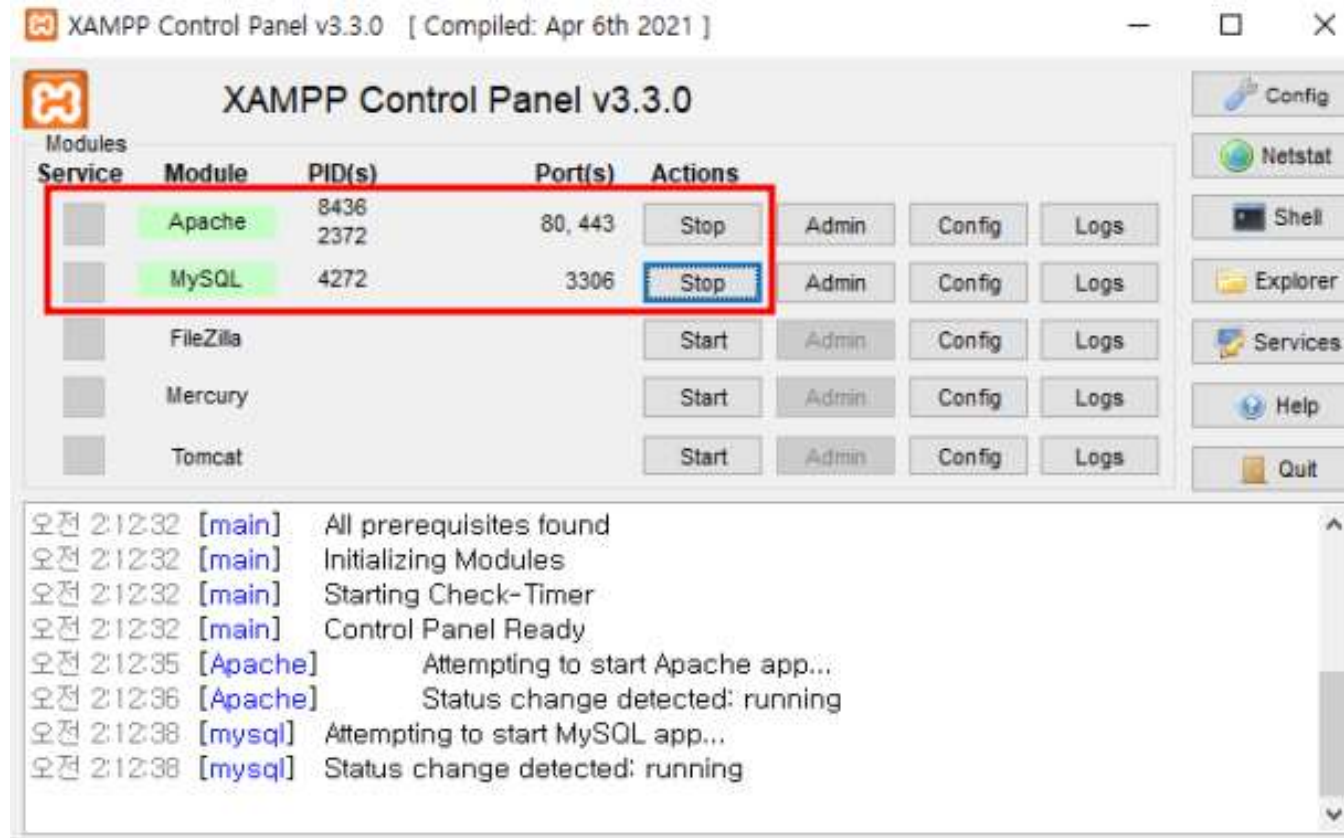


Q1

See the Q1 directory

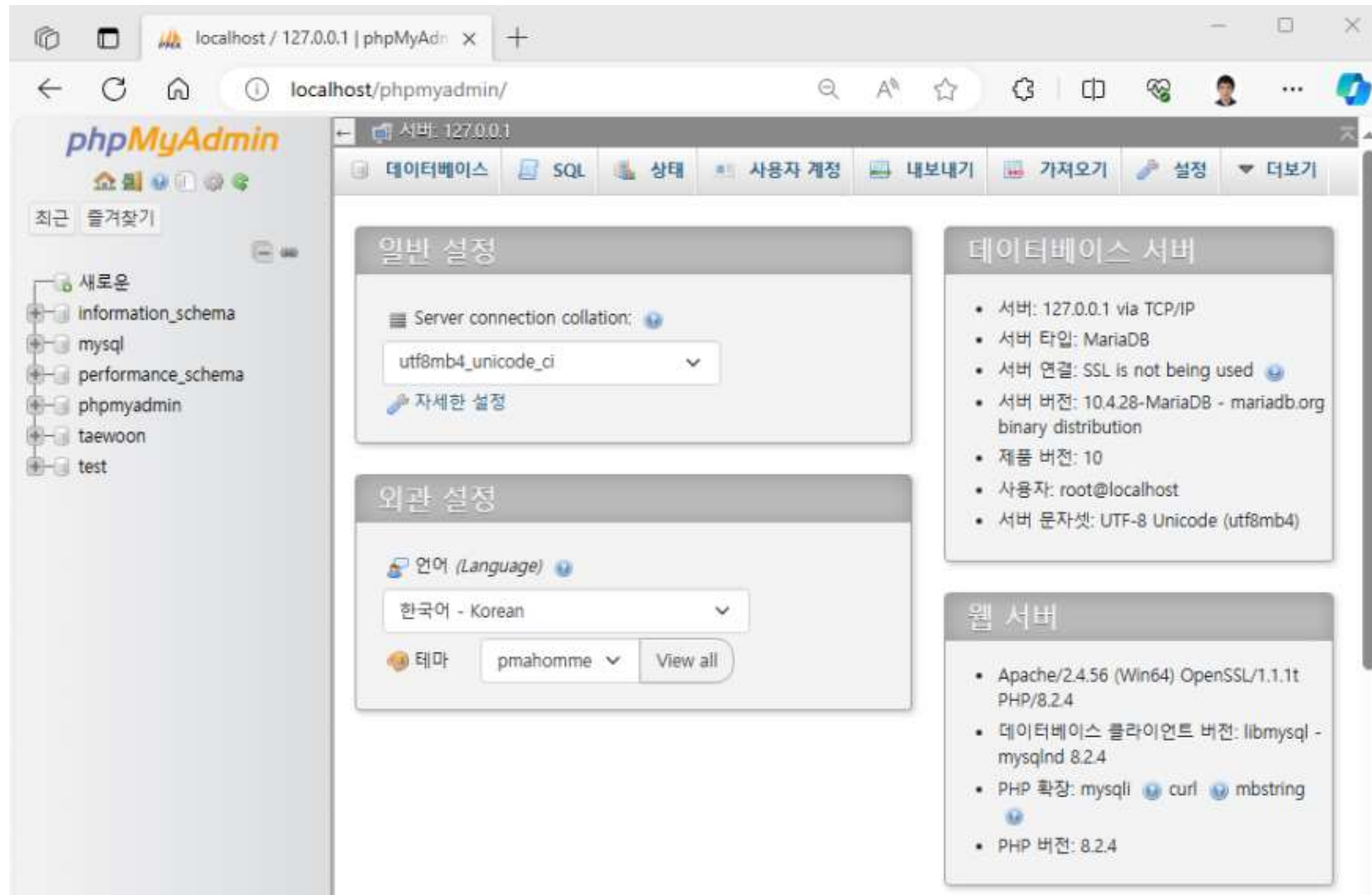
Apache & MySQL

- In XAMPP Control Panel, start both Apache and MySQL



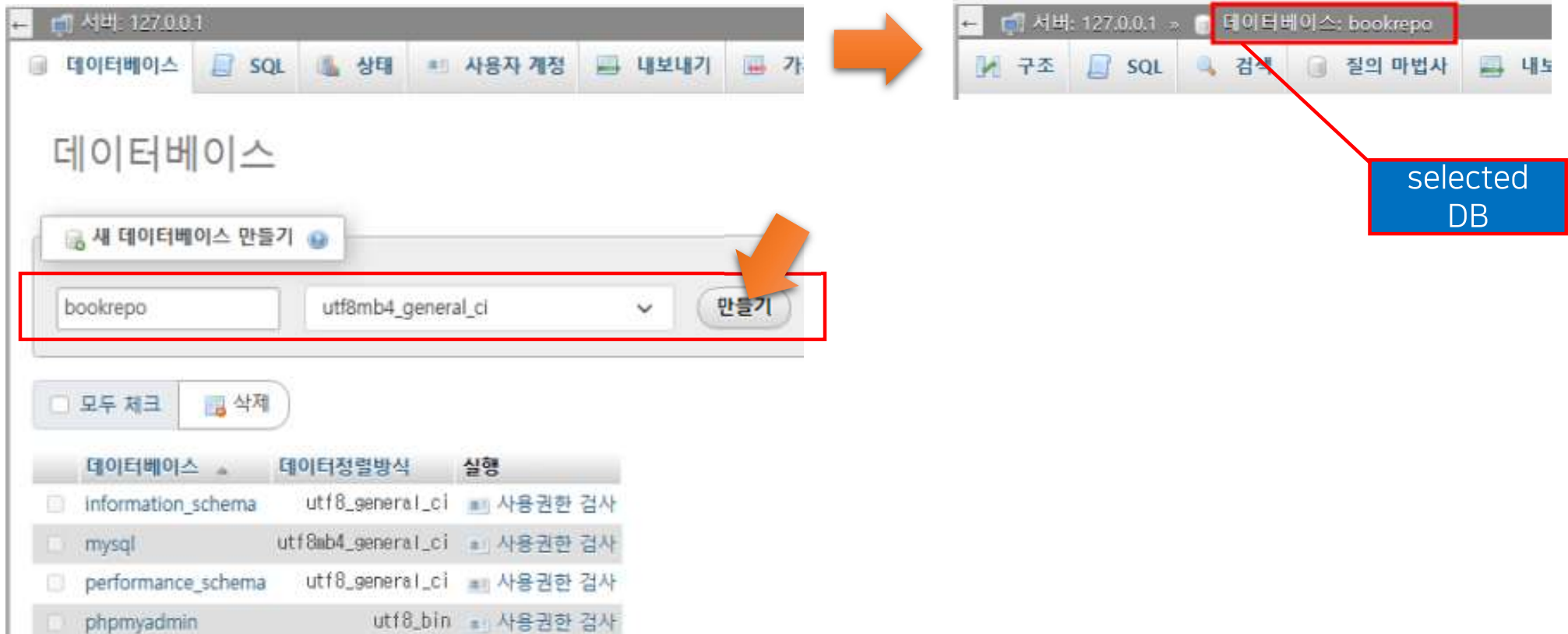
phpMyAdmin 실행

- On a web browser, connect to localhost/phpmyadmin



Creating a DB

- create a DB "bookrepo" and select it



Loading SQL

- loading SQL in “bookrepo” DB : bookcrm-comprehensive.sql
 - SQL file path : Q1/SQL to load/bookcrm-comprehensive.sql

데이터베이스 SQL 상태 사용자 계정 내보내기 가져오기

현재 서버로 가져오기

가져올 파일:

파일은 압축되지 않았거나 gzip, bzip2로 압축된 파일들이 허용됩니다.
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

업로드 파일: (최대: 40MB)

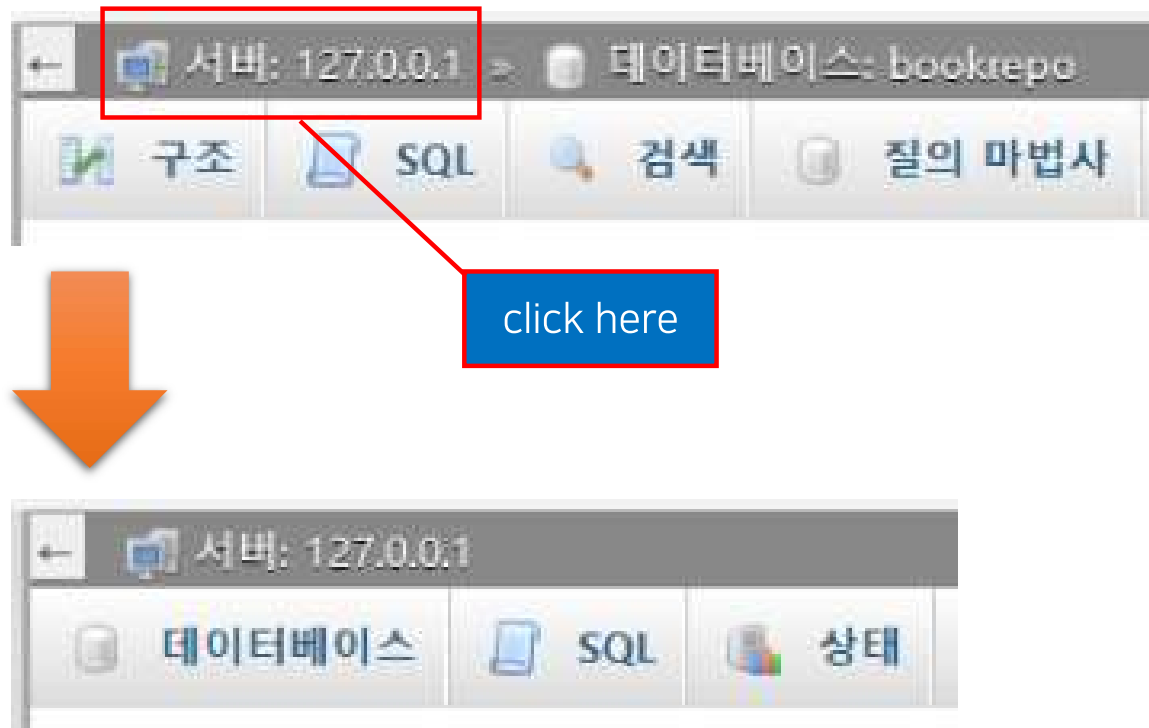
파일 선택

You may also drag and drop a file on any page.

파일 문자셋:

DB 계정 생성

- creating a user: "testuser"
 - unselect "bookrepo" DB



DB 계정 생성

- creating user: "testuser" (password: "mypassword")
 - adding the "데이터" premission

서버: 127.0.0.1

데이터베이스 SQL 상태 사용자 계정 내보내기 가져오기

사용자 추가

로그인 정보

사용자명: 텍스트 입력 필드를 / testuser

호스트명: 아무데서나 %

암호: 텍스트 입력 필드를 / Strength:

재입력:

Authentication plugin: Native MySQL authentication

암호 생성: 생성

서버: 127.0.0.1

데이터베이스 SQL 상태 사용자 계정 내보내기

☒ 데이터

- ☒ SELECT
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE
- ☒ FILE

☐ 구조

- ☐ CREATE
- ☐ ALTER
- ☐ INDEX
- ☐ DROP
- ☐ CREATE TEMPORARY TABLES
- ☐ SHOW VIEW
- ☐ CREATE ROUTINE
- ☐ ALTER ROUTINE
- ☐ EXECUTE
- ☐ CREATE VIEW
- ☐ EVENT
- ☐ TRIGGER

☐ 관리

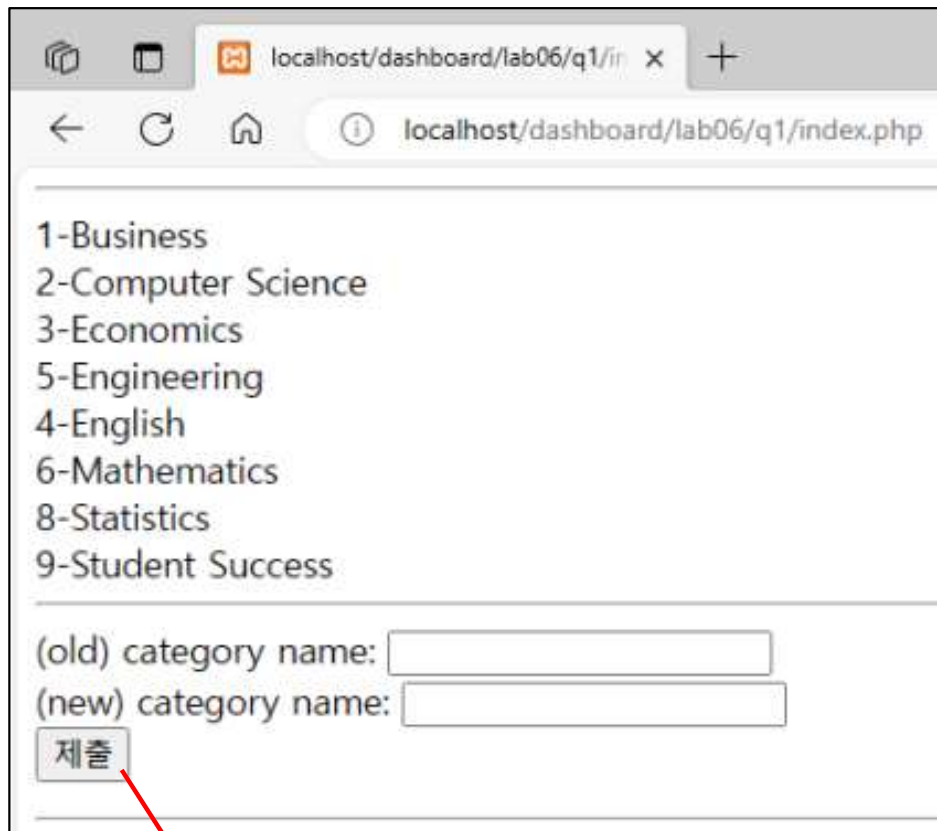
- ☐ GRANT
- ☐ SUPER
- ☐ PROCESS
- ☐ RELOAD
- ☐ SHUTDOWN
- ☐ SHOW DATABASES
- ☐ LOCK TABLES
- ☐ REFERENCES
- ☐ REPLICATION CLIENT
- ☐ REPLICATION SLAVE
- ☐ CREATE USER

SSL

● REQUIRE NONE

TODO

- complete the code so that index.php results in the page shown below



1-Business
2-Computer Science
3-Economics
5-Engineering
4-English
6-Mathematics
8-Statistics
9-Student Success

(old) category name:
(new) category name:

when old and new category names are valid,
the old name will be changed to new name



1-Business
2-Computer Science
3-Economics
5-Engineering
4-English
6-Mathematics
8-Story
9-Student Success

(old) category name:
(new) category name:

TODO

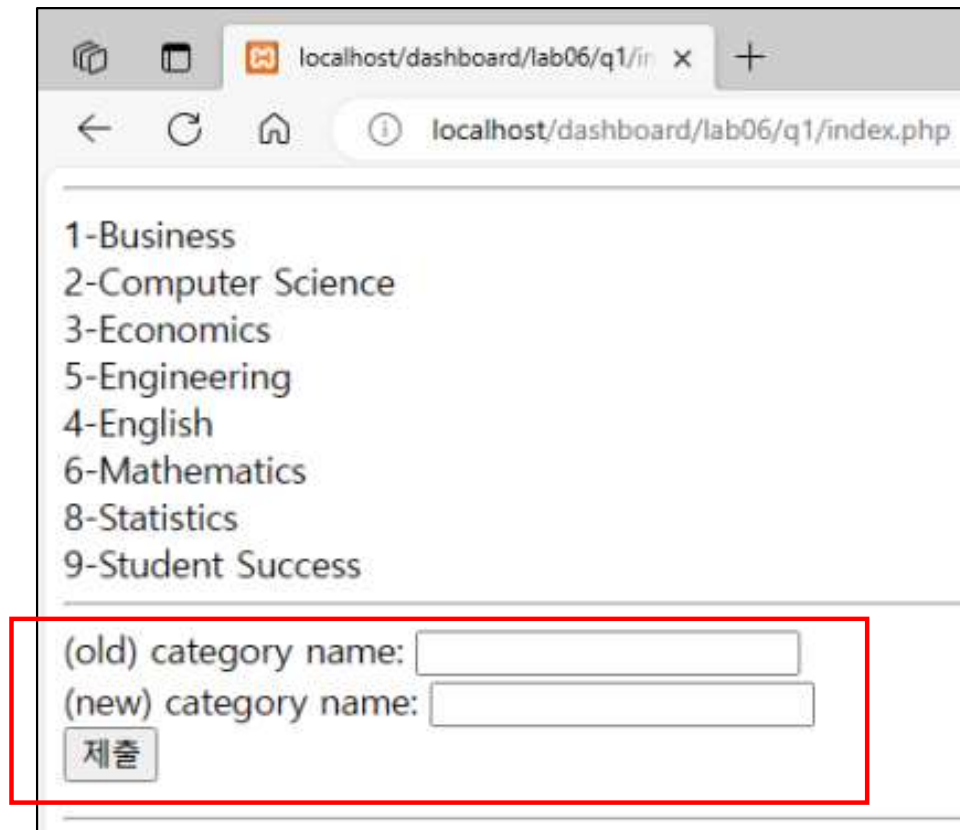
- Complete the following two code

```
index.php | data.php | rename.php
1 <hr>
2 <?php
3 try {
4     $connString = "mysql:host=localhost;dbname=bookrepo";
5     $user = "testuser";
6     $pass = "mypassword";
7
8     $pdo = new PDO($connString, $user, $pass);
9     $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
10
11     #
12     # TODO 1: fill out the following sql statement such that
13     #           you can select all from the Categories table
14     #           ordered by CategoryName
15     $sql = # your code goes here
```

```
index.php | data.php | rename.php
1 <?php
2     $connString = "mysql:host=localhost;dbname=bookrepo";
3     $user = "testuser";
4     $pass = "mypassword";
5
6     $pdo = new PDO($connString, $user, $pass);
7     $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
8
9     #
10    # TODO 2: fill out the following two lines of code
11    #
12    $from = # your code goes here
13    $to = # your code goes here
```

TODO

- Change the category name: "Student Success " to "Zoology"



A screenshot of a web browser window. The address bar shows the URL `localhost/dashboard/lab06/q1/index.php`. The page content displays a list of categories: 1-Business, 2-Computer Science, 3-Economics, 5-Engineering, 4-English, 6-Mathematics, 8-Statistics, and 9-Student Success. Below the list, there is a form with two input fields: "(old) category name:" and "(new) category name:". A red rectangle highlights the form area. Below the input fields is a button labeled "제출" (Submit).

TODO : Attach screenshot(s)

- After changing "Student Success" to "Zoology" , capture the web page.



Attach your screenshot here!

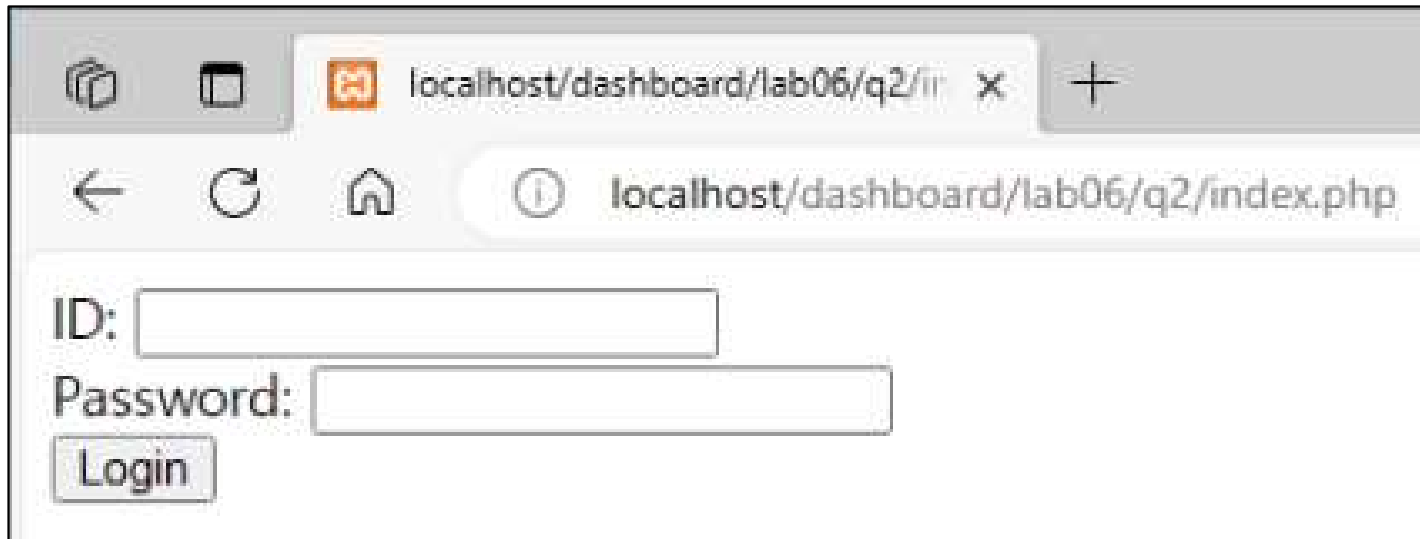


Q2

Copy all from Q1, and paste to Q2

TODO

- Change the code in Q2 directory, and make the login page as below:



The screenshot shows a web browser window with the address bar displaying `localhost/dashboard/lab06/q2/index.php`. The page content includes a form with the following elements:

- An input field labeled "ID:".
- An input field labeled "Password:".
- A button labeled "Login".

- Assume that the account info used in Q1 is the only valid user info
- That is, in the above login page, testuser/mypassword only works for login.
- Implement the login as you wish as long as it satisfies the requirements stated in the following pages

TODO

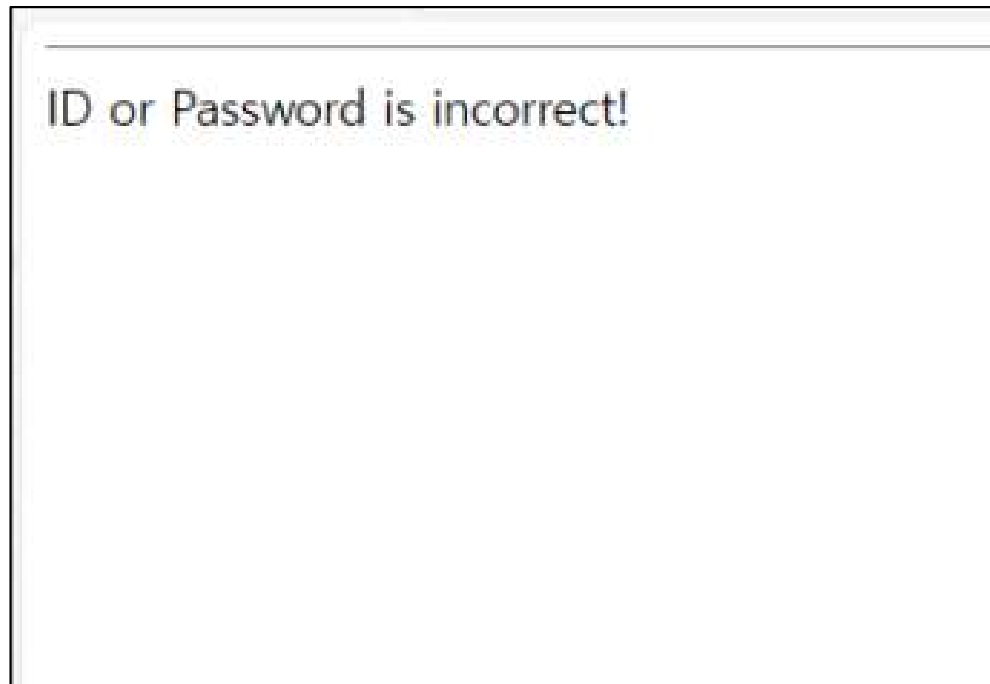
- Change the code in Q2 directory, and make the login page as below.
 - When a valid ID/PWD is entered (testuser/mypassword), you should be redirected to the following page (same as Q1)

1-Business
2-Computer Science
3-Economics
5-Engineering
4-English
6-Mathematics
8-Story
9-Student Success

(old) category name:
(new) category name:

TODO

- Change the code in Q2 directory, and make the login page as below.
 - When an invalid ID/PWD is entered, you'll get:



TODO : Attach screenshot(s)

- Attach the screenshot

1. login page

Attach your screenshot
here!

2. successful login

Attach your screenshot
here!

3. login failed

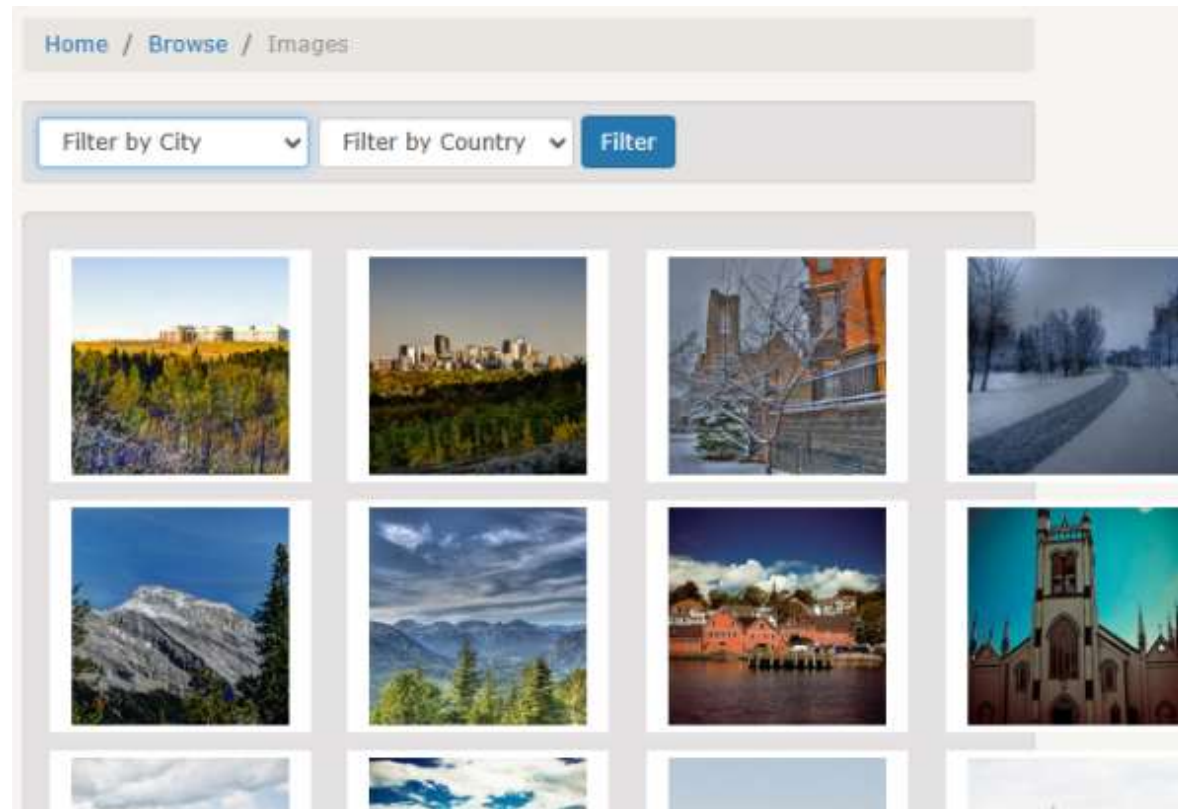
Attach your screenshot
here!



Q3

Q3

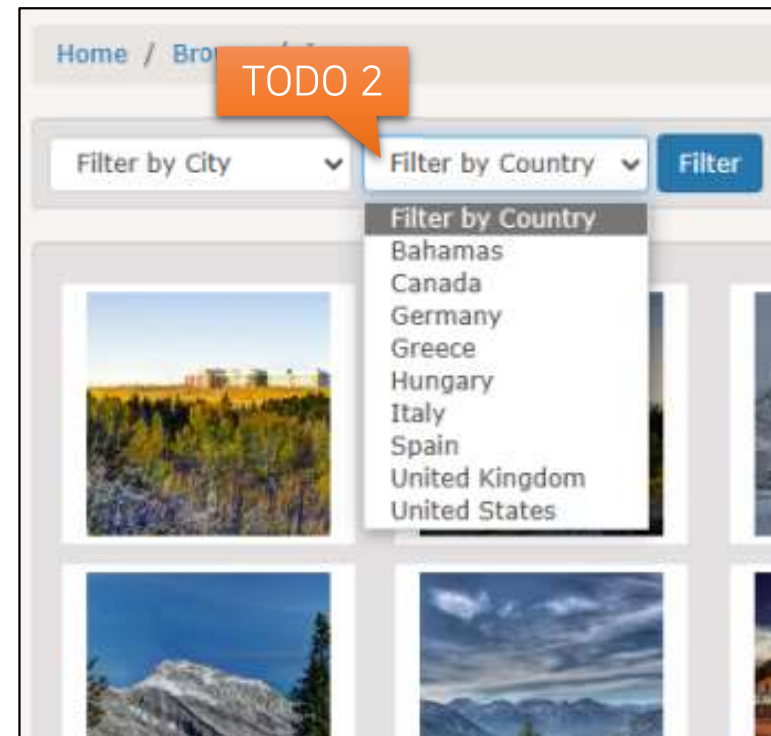
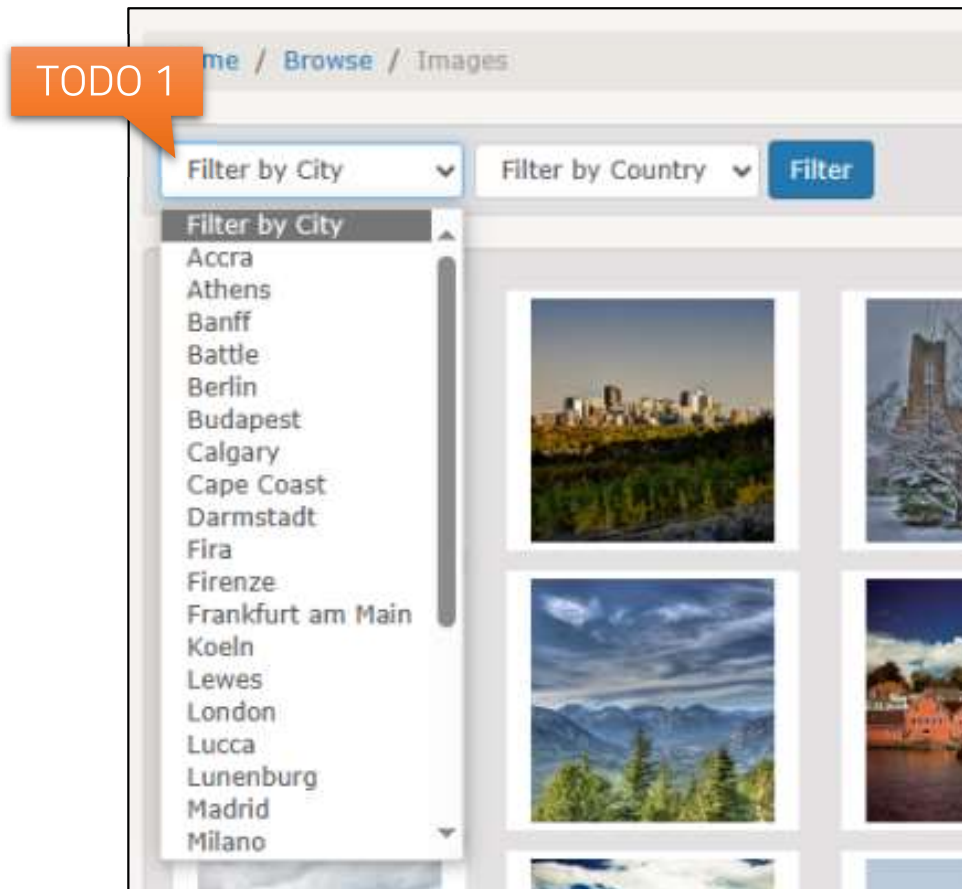
- When Q3/index.php is loaded, you'll get:



- Displayed images are non-clickable

TODO 1, 2

- When the [Filter by City], [Filter by Country] dropdown button is clicked, the corresponding options are displayed as below



TODO 3

- Complete the code so that the [Filter by City] or [Filter by Country] option is applied and the [Filter] button is clicked, the corresponding images are displayed
 - Example: below is when City = Athens filter is applied



TODO : Attach screenshot(s)

- Complete Goal #1, #2 and #3 in "browse-images.php".

(i) After applying City=Berlin filter

Attach your screenshot here!

(ii) after applying Country=Spain filter

Attach your screenshot here!



Q4

Q4

[2] Submit button should work (searching for the last name)

- When Q4/index.php is loaded, it should display as below.

The screenshot shows the Book Rep CRM interface. The top navigation bar includes 'Book Rep CRM', 'Home', 'Logout', and a search bar with a 'Submit' button. The left sidebar shows the user 'John Locke, Senior Sales Rep' and a list of menu items: My CRM, Dashboard, Messages, Tasks, Orders, Calendar, Knowledge, Catalog, Customers, Other, Analytics, and Options. The main content area features a 'My Customers' table with columns for Name, Email, University, and City. The right sidebar contains two sections: 'Categories' and 'Imprints'.

Name	Email	University	City
Camille Bernard	camille.bernard@yahoo.fr	University of Paris	Paris
Michelle Brooks	michelleb@aol.com	Columbia University	New York
Robert Brown	robbrown@shaw.ca	York University	Toronto
Richard Cunningham	ricunningham@hotmail.com	Texas Wesleyan University	Fort Worth
João Fernandes	jfernandes@yahoo.pt	University of Lisbon	Lisbon
Edward Francis	edfrancis@yahoo.ca	Carleton University	Ottawa
Luís Gonçalves	luisg@embraer.com.br		São José dos Campos
Tim Goyer	tgoyer@apple.com	University of California, Santa Cruz	Cupertino
Patrick Gray	patrick.gray@aol.com	University of Arizona	Tucson
Astrid Gruber	astrid.gruber@apple.at	Vienna University of Technology	Vienna
Terhi Hamäläinen	terhi.hamalainen@apple.fi	University of Helsinki	Helsinki
Bjørn Hansen	bjorn.hansen@yahoo.no	University of Oslo	Oslo
Frank Harris	fharris@google.com	University of California, Berkeley	Mountain View

Categories

- Business
- Computer Science
- Economics
- Engineering
- English
- Mathematics
- Statistics
- Student Success

Imprints

- Addison-Wesley
- Longman
- Pearson

[1] My Customers, Categories, Imprints should display info

TODO

- [1] Complete the code so that the corresponding info is displayed for My Customers, Categories and Imprints

The screenshot displays the Book Rep CRM application interface. At the top, there is a navigation bar with the application name, user profile, and search functionality. A sidebar on the left contains a menu for navigation. The main content area features a table of customers, and two sidebars on the right list categories and imprints.

Book Rep CRM Home Logout Search Customer Submit

John Locke
Senior Sales Rep
Settings Logout

My CRM

- Dashboard
- Messages
- Tasks
- Orders
- Calendar
- Knowledge
- Catalog
- Customers
- Other
- Analytics
- Options

My Customers

Name	Email	University	City
Camille Bernard	camille.bernard@yahoo.fr	University of Paris	Paris
Michelle Brooks	michelleb@aol.com	Columbia University	New York
Robert Brown	robbrown@shaw.ca	York University	Toronto
Richard Cunningham	ricunningham@hotmail.com	Texas Wesleyan University	Fort Worth
João Fernandes	jfernandes@yahoo.pt	University of Lisbon	Lisbon
Edward Francis	edfrancis@yahoo.ca	Carleton University	Ottawa
Luís Gonçalves	luisg@embraer.com.br		São José dos Campos
Tim Goyer	tgoyer@apple.com	University of California, Santa Cruz	Cupertino
Patrick Gray	patrick.gray@aol.com	University of Arizona	Tucson
Astrid Gruber	astrid.gruber@apple.at	Vienna University of Technology	Vienna
Terhi Hamalainen	terhi.hamalainen@apple.fi	University of Helsinki	Helsinki
Bjørn Hansen	bjorn.hansen@yahoo.no	University of Oslo	Oslo
Frank Harris	fharris@google.com	University of California, Berkeley	Mountain View

Categories

- Business
- Computer Science
- Economics
- Engineering
- English
- Mathematics
- Statistics
- Student Success

Imprints

- Addison-Wesley
- Longman
- Pearson

TODO

- [2] Submit button should work (searching for the customer's LastName)

RM

[Home](#) [Logout](#)

My Customers

Name	Email	University	City
Camille Bernard	camille.bernard@yahoo.fr	University of Paris	Paris

Categories

Business

Computer Science

TODO

- Complete the file: Q4/includes/database.inc.php
- Complete the following functions:
 - setConnectionInfo
 - runQuery
 - readAllCustomers
 - readSelectCustomers
 - readCategories
 - readImprints

TODO : Attach screenshot(s)

- capture the entire web page after loading index.php.

Attach your screenshot here!

TODO : Attach screenshot(s)

- Search for the customers name "Brooks", and attach the resulting page.

Attach your screenshot here!

THE END