**CIS017-1 / CIS095-1**

**SQL/MySQL Workshop using PHPMyAdmn (Updated 26/10/2018)**

**Part 1 - Creating a Books database**

You will need MySQL accounts – username and password – in order to access MySQL on the School’s server.

Accounts have been set up with your University Student ID as both username AND password.

Access PHPMyAdmin by entering <http://studentnet.cst.beds.ac.uk/phpmyadmin> or use <http://10.1.63.200/phpmyadmin>.

Create a database called 12345books where 12345 is your Student ID.

Download books.sql from BREO. Open the file in Notepad++ or Notepad and edit the first statement to read USE 12345books;

With your new database selected in PHPMyAdmin, import books.sql.

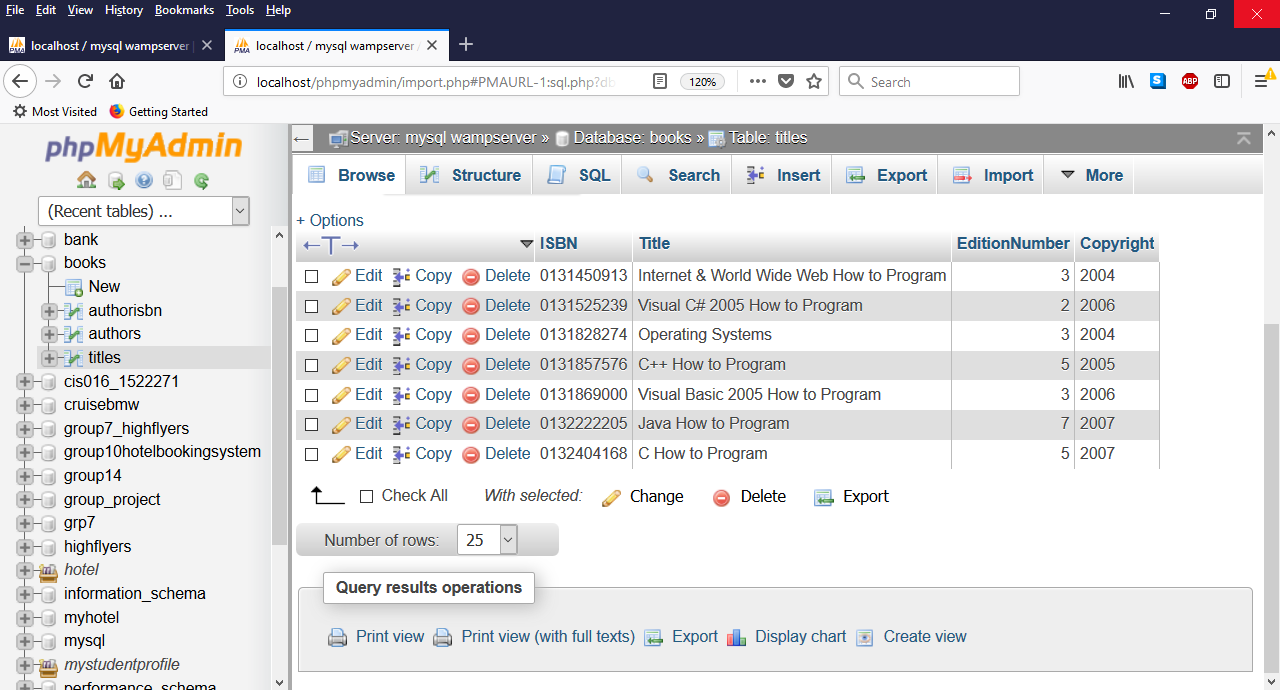
Admire and examine the imported tables.

Alternatively, you could do the same thing using WAMPServer ot XAMP installed on your own PC or laptop.

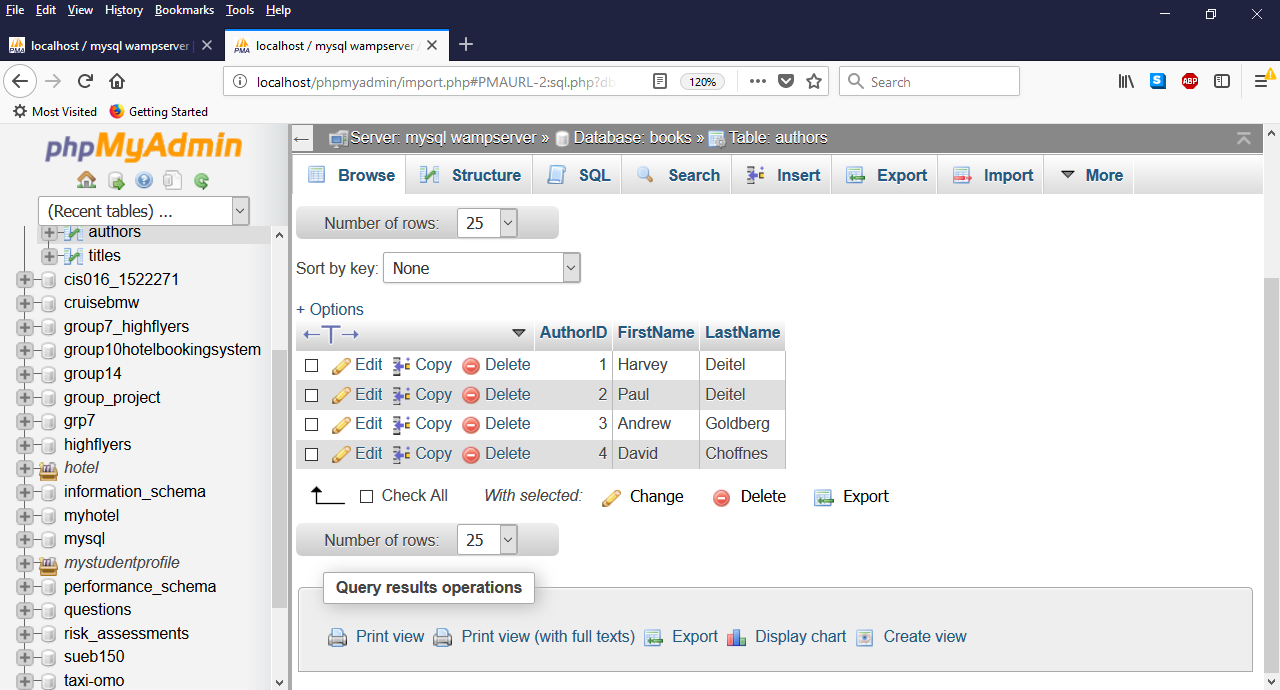
Download WAMPServer: <https://sourceforge.net/projects/wampserver/>

Download XAMPP: <https://sourceforge.net/projects/xampp/>

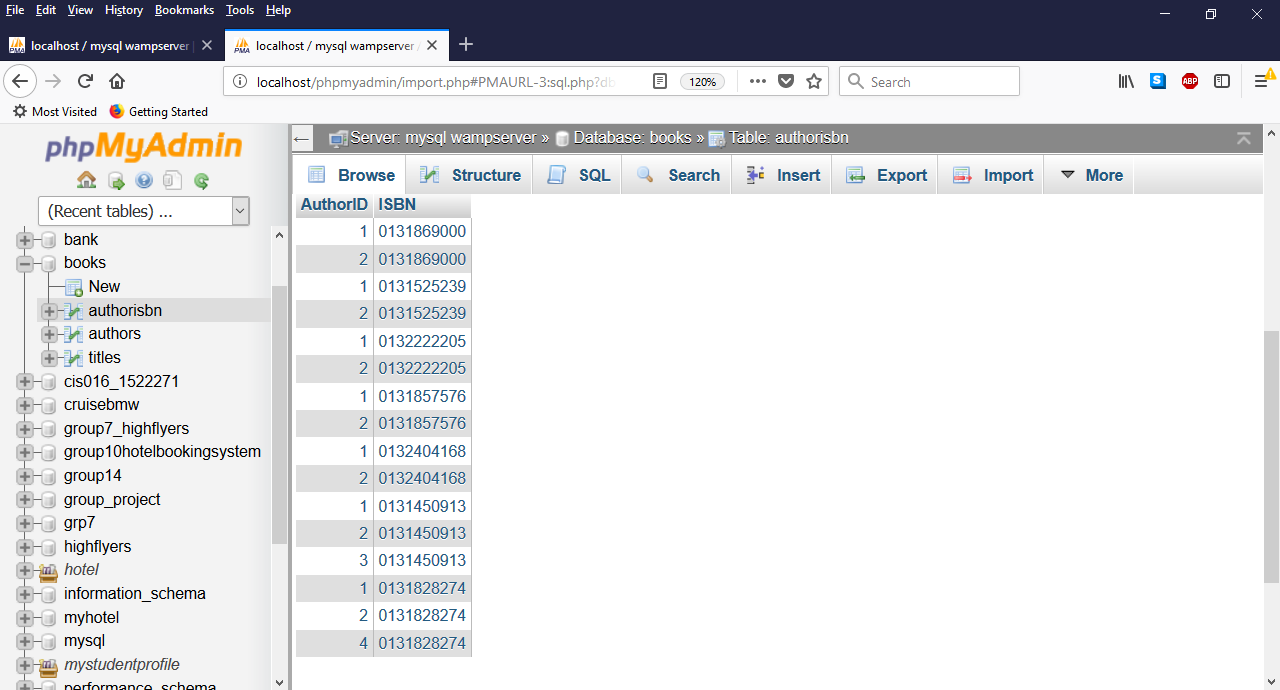
**Part 2**

**Titles**

**Authors**



**AuthorISBN**



Select SQL and try running the following SQL statements:

1. [SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e90c1f8261f71c31434d0034a014ebd7) \* FROM Titles;
2. SELECT Title FROM Titles;
3. SELECT Title, EditionNumber FROM Titles  
   ORDER BY Title ASC;
4. SELECT FirstName, LastName FROM Authors;
5. DELETE FROM AuthorISBN  
   WHERE ISBN = “0131828274;
6. DELETE FROM Titles  
   WHERE Title = “Operating Systems”;
7. INSERT INTO Titles  
   VALUES (“0110178954”, “Python is Fun”, 3, 2018);
8. UPDATE Titles  
   SET Title = “Python is NOT Fun”  
   WHERE ISBN = “0110178954”;
9. SELECT Title, FirstName, LastName  
   FROM AuthorISBN  
   INNER JOIN Titles ON AuthorISBN.ISBN = Titles.ISBN  
   INNER JOIN Authors ON AuthorISBN.AuthorID = Authors.AuthorID;
10. SELECT MAX(EditionNumber) AS Newest  
    FROM Titles;
11. [SELECT](http://studentnet.cst.beds.ac.uk/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&token=de826d3c8bace7d7c6a36c2007a0e7f1) Title, EditionNumber FROM Titles  
    WHERE EditionNumber [=](http://studentnet.cst.beds.ac.uk/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcomparison-operators.html%23operator_equal&token=de826d3c8bace7d7c6a36c2007a0e7f1) ([SELECT](http://studentnet.cst.beds.ac.uk/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&token=de826d3c8bace7d7c6a36c2007a0e7f1) [MAX](http://studentnet.cst.beds.ac.uk/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html%23function_max&token=de826d3c8bace7d7c6a36c2007a0e7f1)(EditionNumber) FROM Titles)