

1.

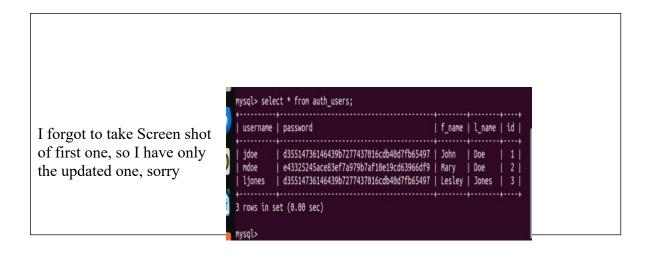
Computer Science 213 -01 Web Development with LAMP

Lab 2: Basic Linux commands, MySQL database, and phpMyAdmin

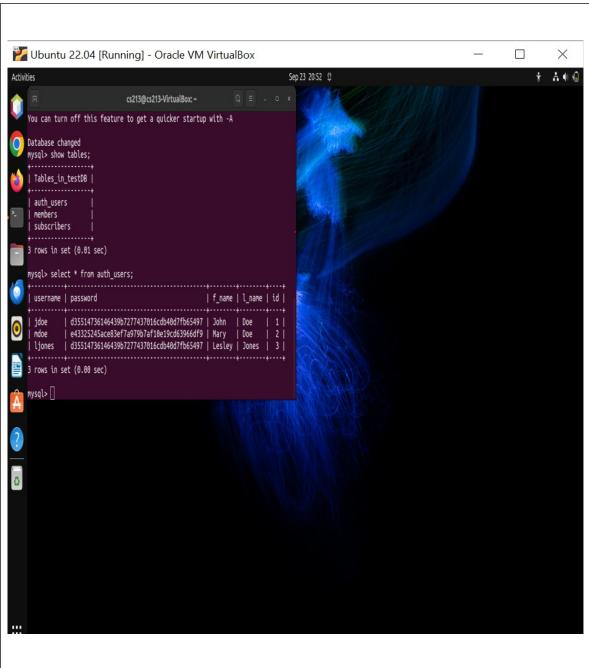
Due date: Monday, September 23, 2024 (before midnight)

Change directory from any directory to the Desktop directory of the user. cd ~/Desktop
Copy all php files from current directory to /var/www/backup directory with root's ac permission
sudo cp *.php /var/www/backup/
Create a new folder named public under your Desktop folder mkdir ~/Desktop/public
Set the permission of your Desktop/public folder with a value of 755 chmod 755 ~/Desktop/public
Add 'write' permission of your Desktop/public folder to everyone. chmod a+w ~/Desktop/public
Remove your Desktop/public/garbage directory and its files/subdirectories recursively.
rm -rf ~/Desktop/public/garbage

2. Power on your Ubuntu Linux virtual machine. Open a terminal, complete the steps from the handout titled "Create MySQL database" (available from our Moodle course site). During the process, you should take four screenshots as mentioned in the handout.

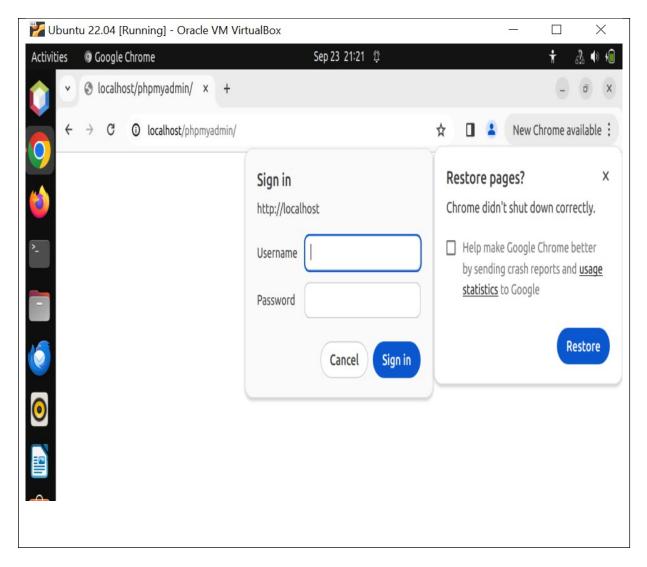


Insert the second screenshot



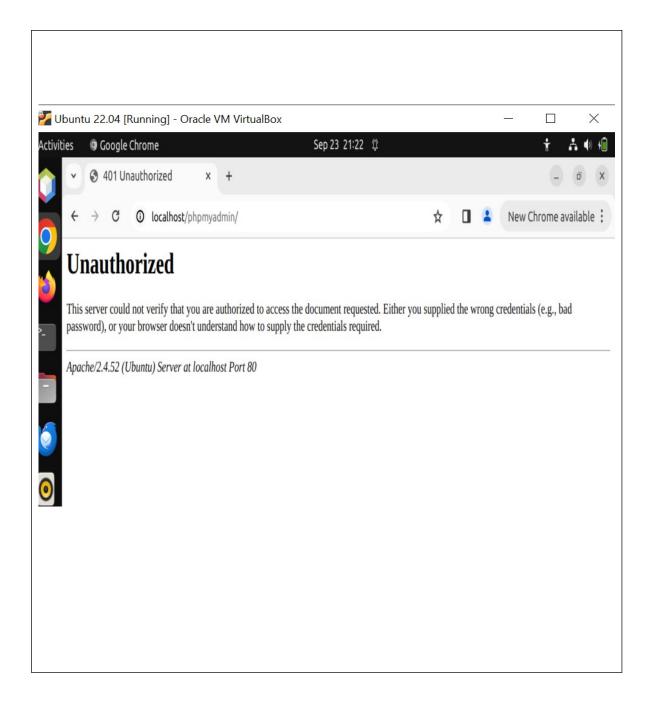
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the third screenshot Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert it here below:			
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit	Insert the fourth screenshot Next perform two database operations: i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert	Insert the thi	rd screenshot	
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	Next perform two database operations: i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert	Insert the fou	arth screenshot	
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit	i) Dump your <i>testDB</i> database and save it with a name called <i>testDB.sql</i> . Use gedit editor to open your <i>testDB.sql</i> file. Take a screenshot of your gedit screen and insert			
i) Dump your testDB database and save it with a name called testDB.sql. Use gedit editor to open your testDB sql file. Take a screenshot of your gedit screen and insert	editor to open your testDB.sql file. Take a screenshot of your gedit screen and insert	Next perforn	n two database operations:	
it here below:		i)	editor to open your testDB.sql file. Take a screenshot of your gedit screen and	edit I insert

	ii)	Create a new database named <i>testDBbackup</i> using your <i>testDB.sql</i> file. Take a screenshot of showing the command lines in a terminal, which used the <i>testDBbackup</i> database and showed all the tables within the database. Insert your screenshot below:
2	Y . 11 1 N. A.1	
3.		min (refer to the handout titled "How to Install and Secure phpMyAdmin on Ubuntu") irtual machine as explained in class.
	interface. A dialog in the .htaccess fi	r FireFox browser, type in http://localhost/phpmyadmin to access your phpMyAdmin g box titled "Authentication Required" should pop up. This is a security feature set up le earlier in the installation. Take a screenshot to show this "Authentication Required" your virtual machine and insert your screenshot below.



If you get past this layer of security successfully, you'll see the login page for you to login to your phpMyAdmin (use "root" and "letmein" as username and password for your login respectively).

i. Show all databases, and take a screenshot of all the databases available. Insert your screenshot below.



- ii. Click on your **testDB** database and then the **auth_users** table. Next export the auth_users table as "CSV" format. Open the "auth_users.csv" file with a text editor (e.g. gedit). Also take notes for the order of data fields and the field separator used. Next **change the ids from 1, 3, 4 to 4, 5, 6** respectively because we'll import the csv file to populate a new table later as a merge records operation. These id values are primary keys, which may cause issue (e.g. performing update operations with the matching keys as oppose to records merging) when import into the new table.
- iii. Click on the *Database* tab and create a new database named **mytestDB**. Next create a table named **auth_users**, exactly the same table we created in the **testDB** database. Use the same order of the data fields as you noted from your "auth_users.csv" file to create your new **auth_users** table.

Next insert the first two records into the new **auth users** table with the following values:

username: jtrudeau password: jtrudeau firstname: Justin

lastname: Trudeau id: null

ser name	he <i>Database</i> ed cs213new he users. Ta	user with a	all privile	ges gran	ted for th					
-	our mytest l					_	-	-	•	ct
						ike cia	isc and	70 Symbo	71.	
ake a sci	reenshot of t	he results a	ind insert	it below	<u>'.</u>					

username: *rmckay* password: *rmckay* firstname: *Ron* lastname: *Mckay* id: *null*

				nytestDB data
	he auth_user			
below:				
	_			
	_			
	_			
	_			
	_			
	_			
	_			
	_			

Submitting your work:

When you're done, please export/save this Word document as PDF format. Submit your PDF file via <u>Lab 2</u> link on our Moodle page by *Monday, September 23, 2024 (before midnight)*.