

# MDE TP1 – Class 0 Software Installation

(to prepare at home)

## **TOPICS**



- XAMPP installation, components:
  - MySQL installation
  - Apache (optional)
- ☐ Installing MySQL Workbench
- ☐ Setting phpMyAdmin



## XAMPP

Installation

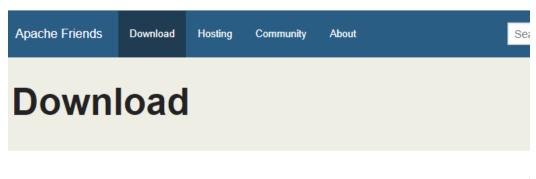
### DOWNLOAD XAMPP



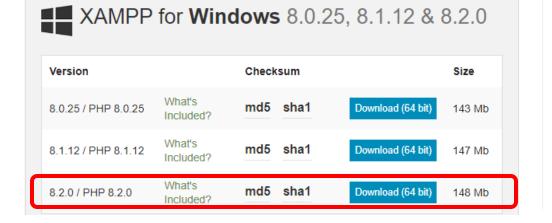
□ Download from:

https://www.apachefriends.org/download.html

☐ Execute the installer.



XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.

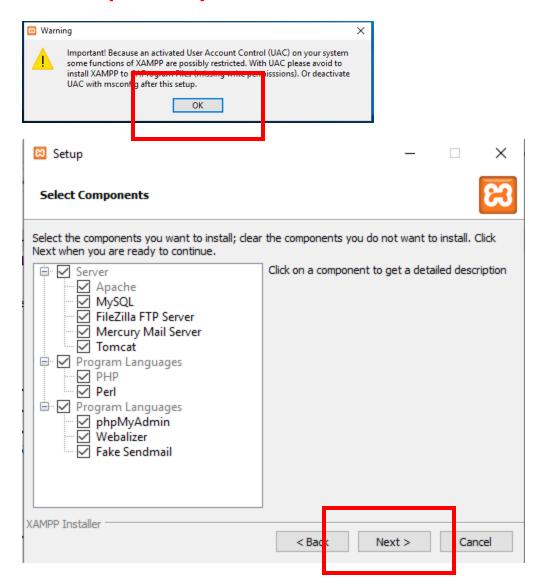


PS: Next slides might be slightly distinct depending on XAMPP version.

### **XAMPP INSTALLATION**



#### Leave all options by default

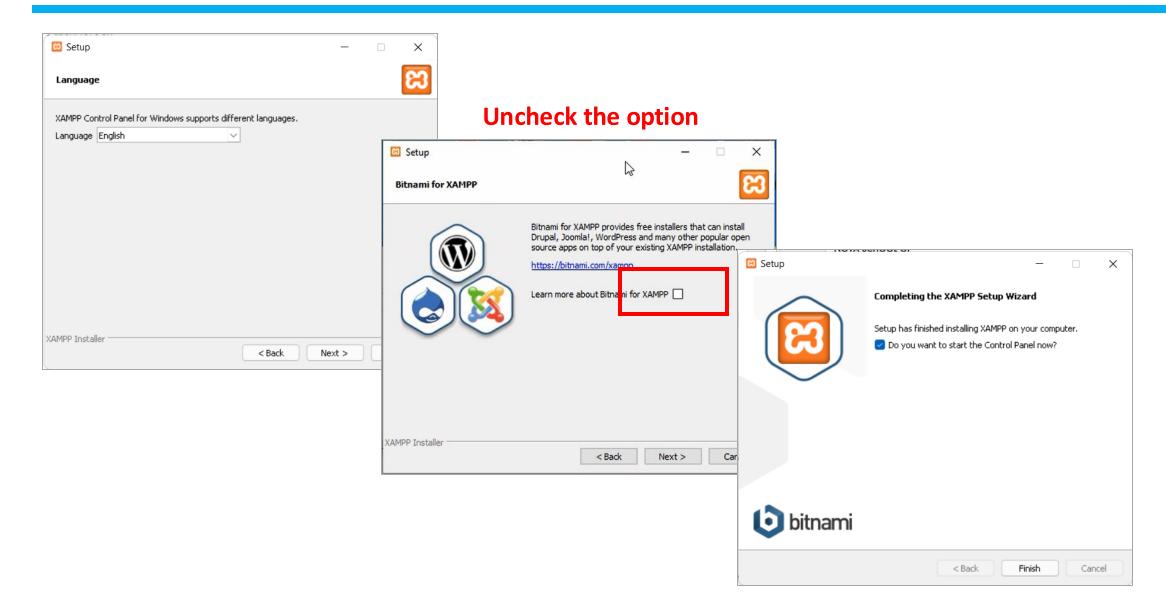


Set the install folder c:\xampp

Setup     Setup	_		×
Installation folder			83
Please, choose a folder to install XAMPP  Select a folder C:\xampp			
XAMPP Installer			
< Back No.	ext >	Ca	ncel

## **XAMPP INSTALLATION**

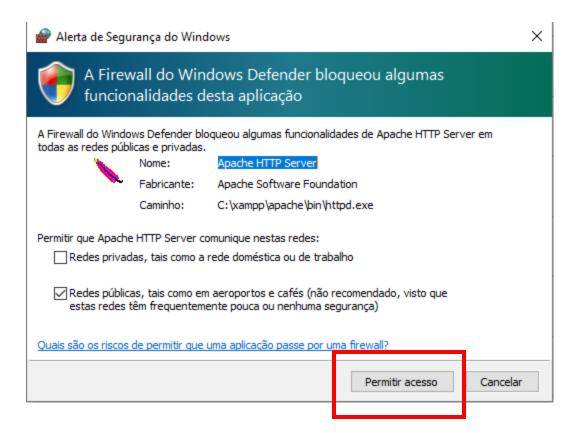




## **SOME CONFIGURATIONS**

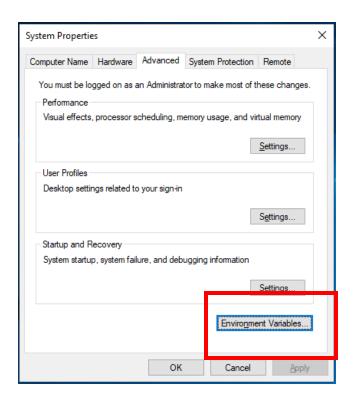


#### **Allow in Firewall If it appears**

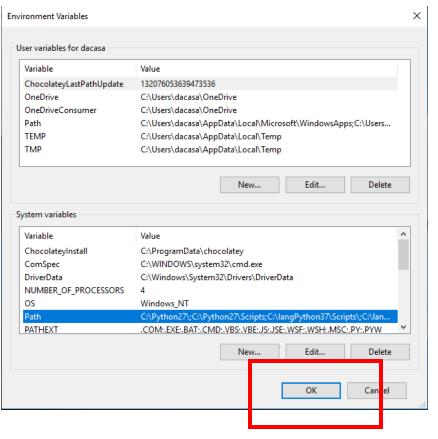


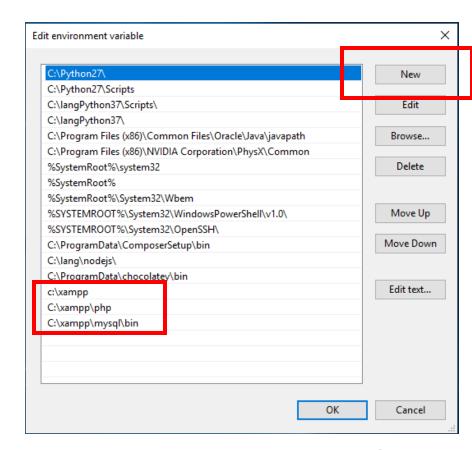
## **SOME CONFIGURATIONS**





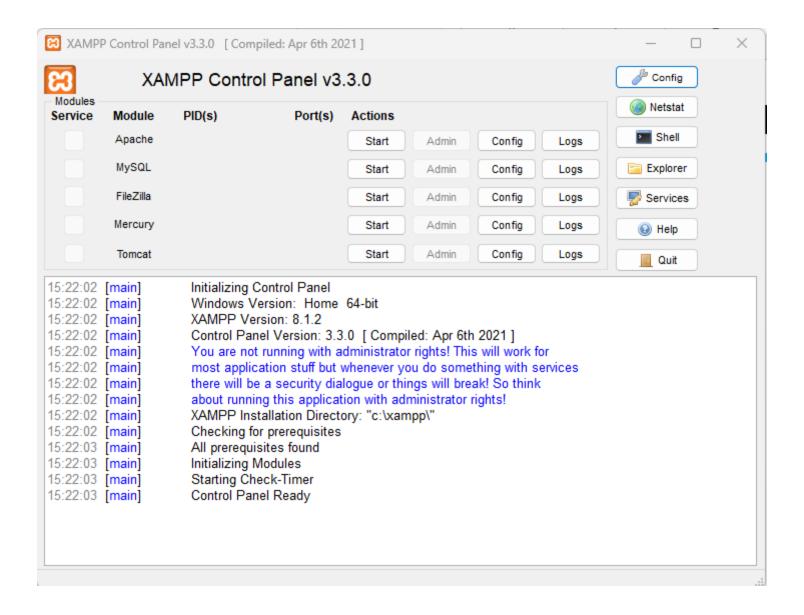
#### Not mandatory, but helpful sometimes





### **XAMPP APPLICATION**

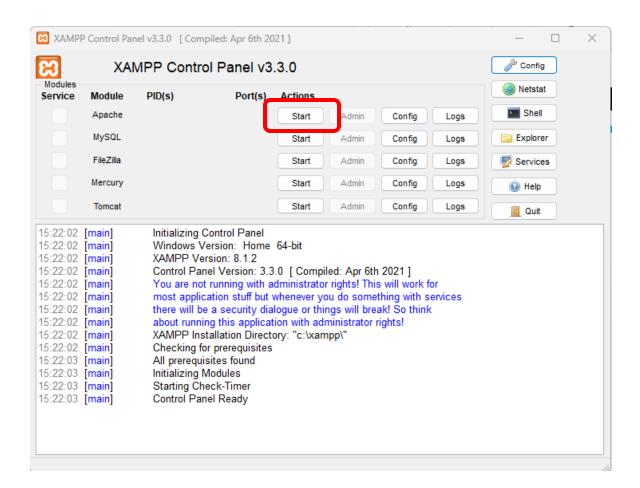




## **XAMPP APPLICATION – START Apache**



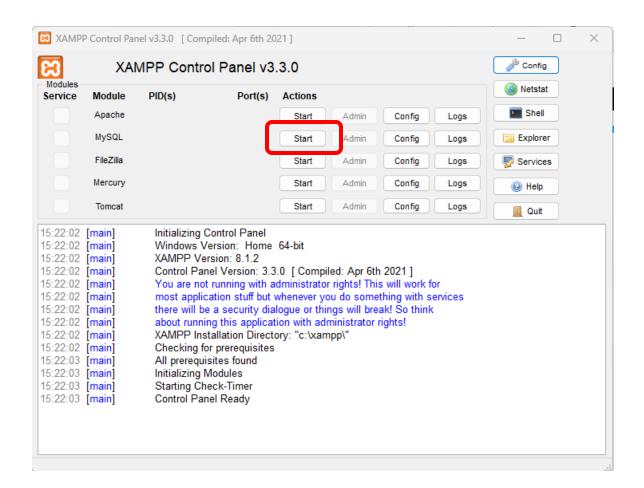
- Press the Apache start "button"
- ☐ Let firewall allow access if dialog appears



## **XAMPP APPLICATION – START MySQL**

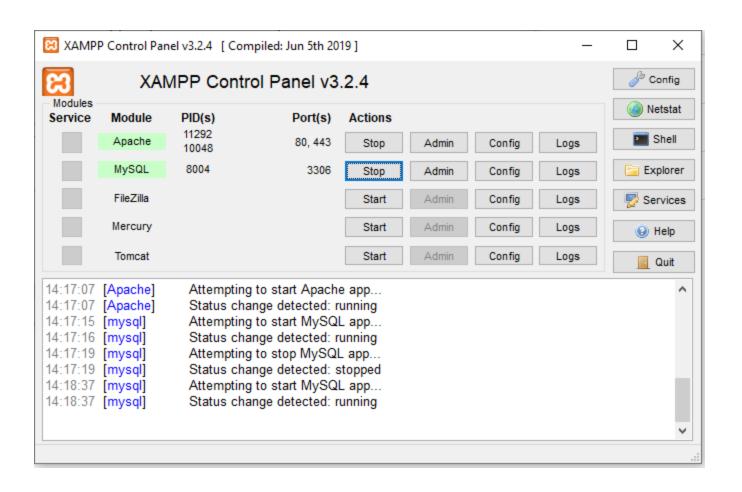


- Press MySQL start "button"
- ☐ Let firewall allow access if dialog appears



## XAMPP APPLICATION – Apache + MySQL Running





## **MySQL: ROOT CONFIGURATION**



At first time, mySQL is set without password:

- Open a console: cmd.exe
- mysql -uroot -p
- (press enter when asked for password, because it was not set yet)
- ALTER USER 'root'@'localhost' IDENTIFIED BY 'mde';

Don't mistake or forget the password **ever!**Due to security concerns, the recovery process is very complex.

#### See here:

https://dev.mysql.com/doc/mysql-windowsexcerpt/5.7/en/resetting-permissions-windows.html



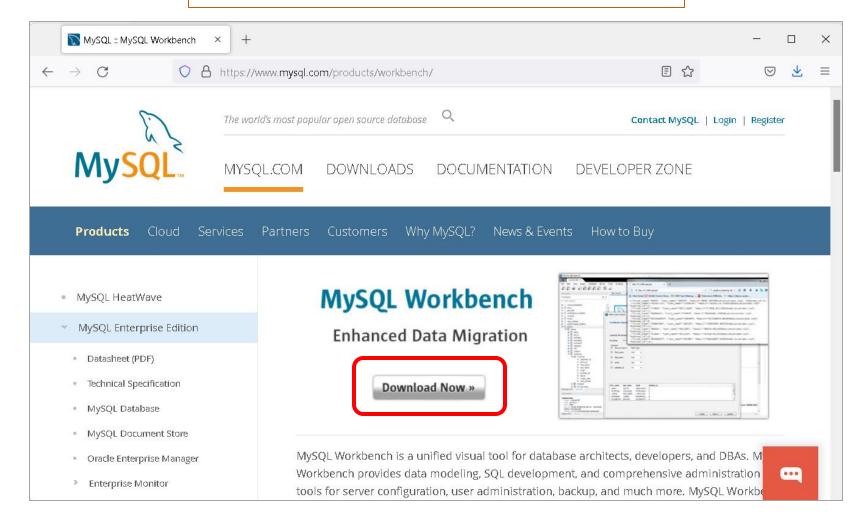
## MySQL Workbench

Installation

## MySQL Workbench INSTALLATION

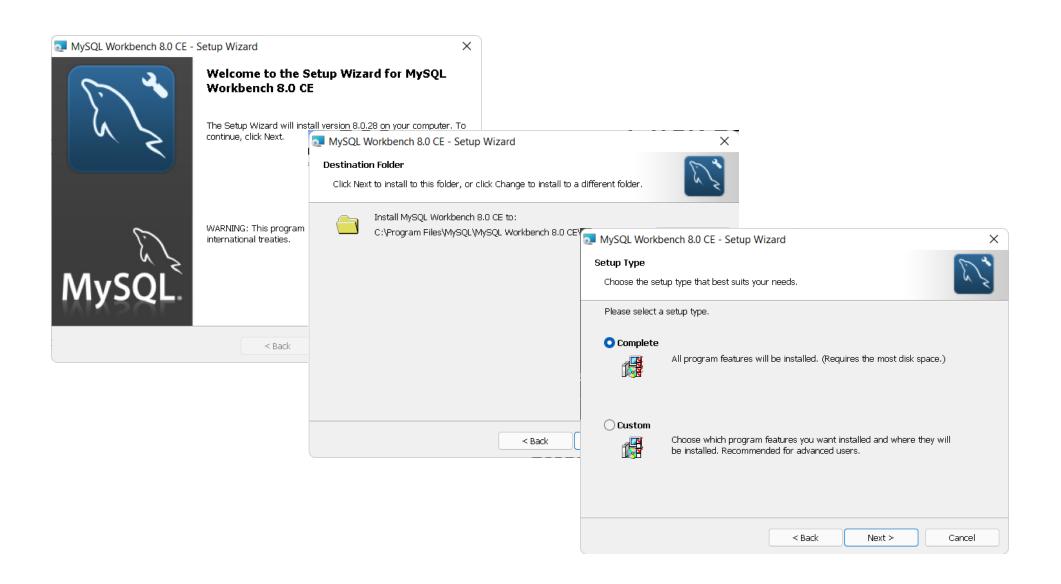


https://www.mysql.com/products/workbench/



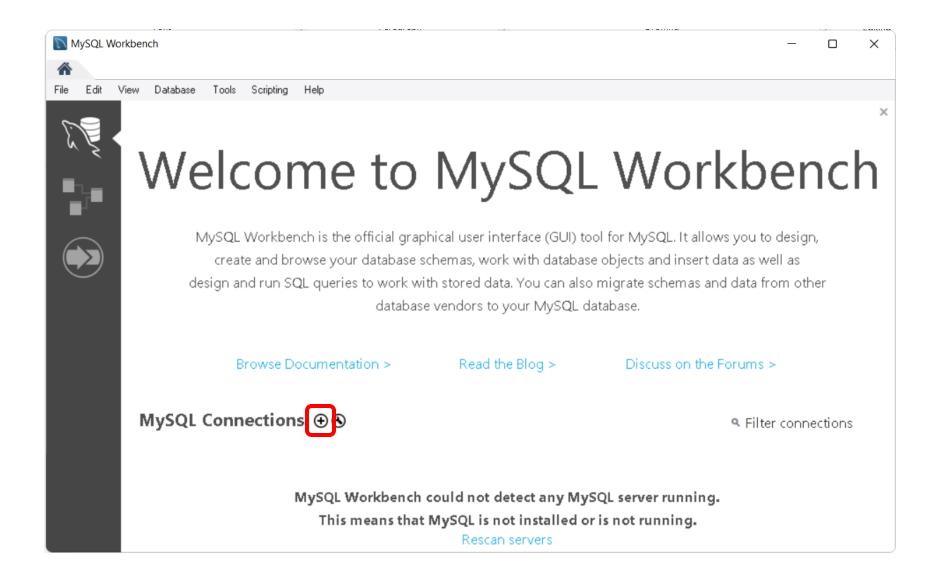
## **MySQL Workbench INSTALLATION**





## **MySQL Workbench: CREATE CONNECTION**





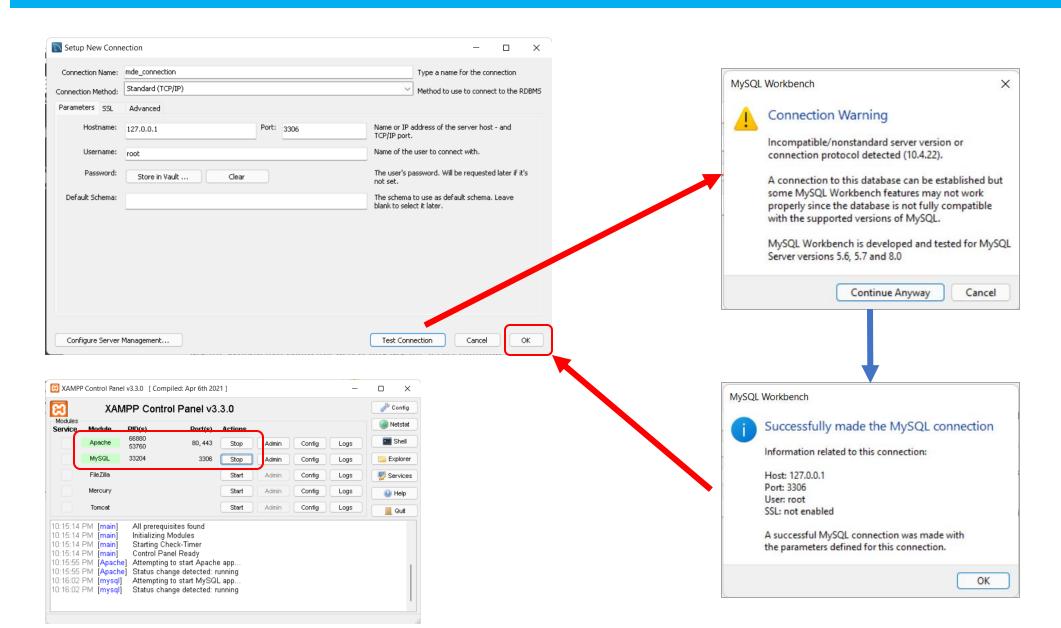
## **MySQL Workbench: CREATE CONNECTION**



Setup New Conn	ection		-	_ >	<		
Connection Name:	mde_connection Standard (TCP/IP)		Type a name for the Method to use to con		S		
Parameters SSL Hostname:	Advanced 127.0.0.1	Port: 3306	Name or IP address of the server h	ost - and			
Username:	root		TCP/IP port.  Name of the user to connect with.		F	Fill in the fields	
Password: Default Schema:	Store in Vault Clear		The user's password. Will be reques not set.  The schem blank to se			×	
			Ple	Please enter pas ollowing service: Service: User:		ce: : Mysql@127.0.0.1:3306	
			Workbench	Passwo	rd: ***	OK Cancel	mde
Configure Server	Management		Test Connection Cance	el OK			

## **MySQL Workbench: TESTING CONNECTION**

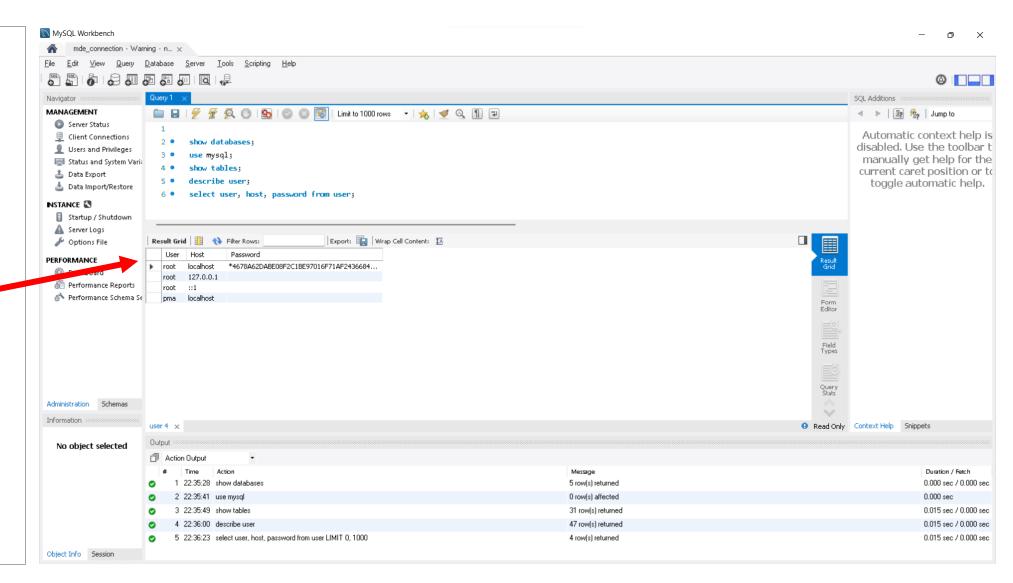




## MySQL Workbench: 1st TRY

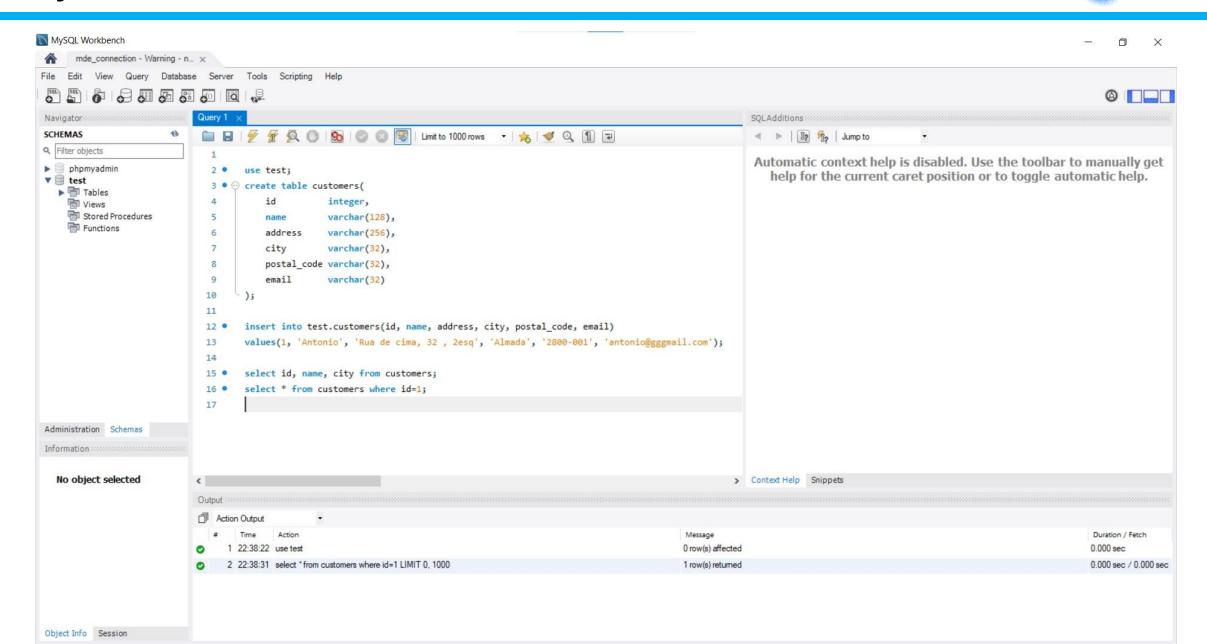


- Write each SQL statement shown in the Query1 window.
- Press CTRL+Enter at each line to execute.
- See the results appearing below.
- Statements:
  - Show databases;
  - Use mysql;
  - Show tables;
  - Describe user;
  - select user, host, password from user;



## MySQL Workbench: 1st EXAMPLE







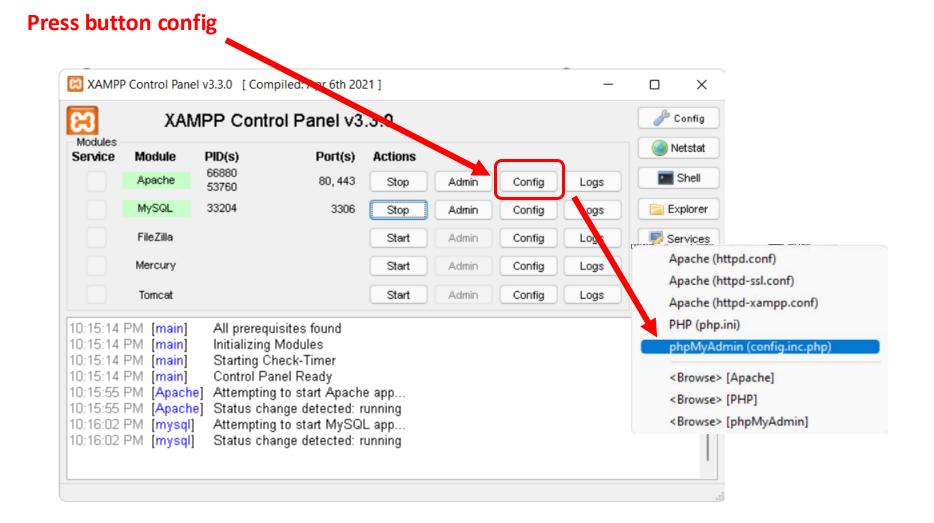
## phpMyAdmin

Configuration

## phpMyAdmin CONFIGURATION

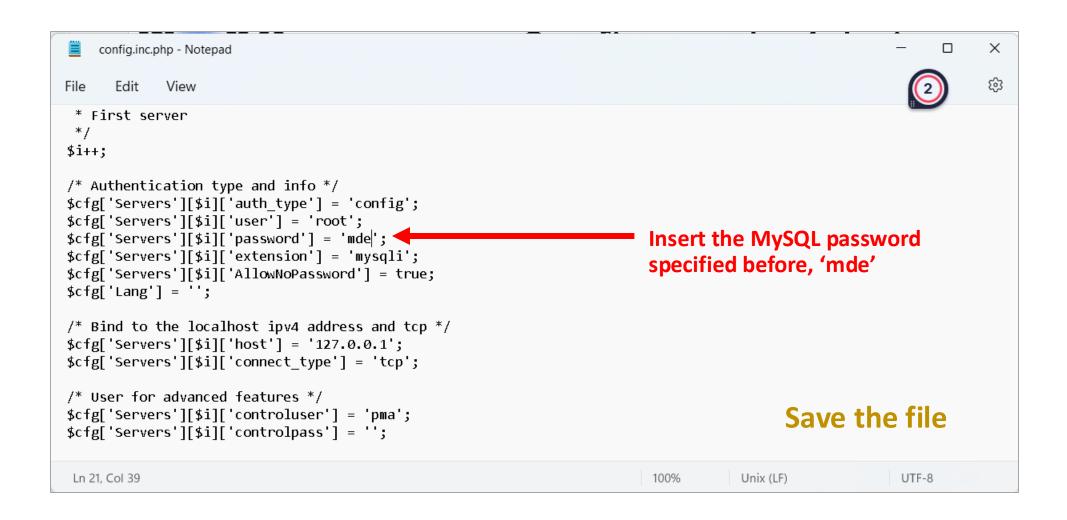


☐ There is another way to interact with mySQL, through a Web Interface.



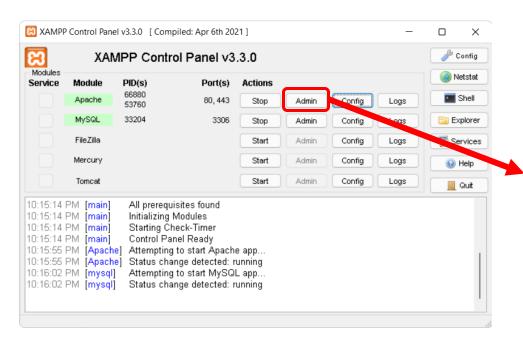
## phpMyAdmin CONFIGURATION: Setting the password

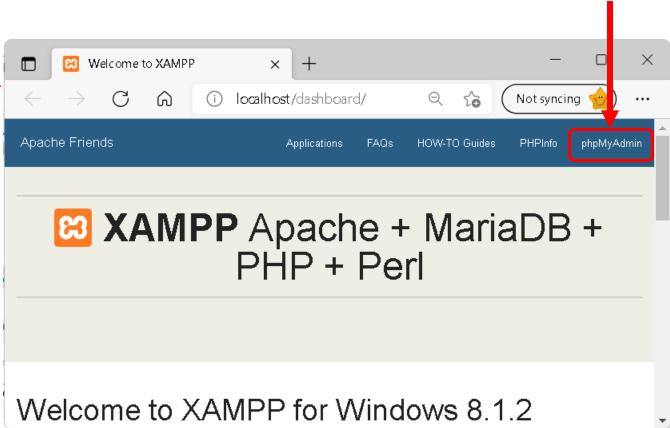




## phpMyAdmin: RUN

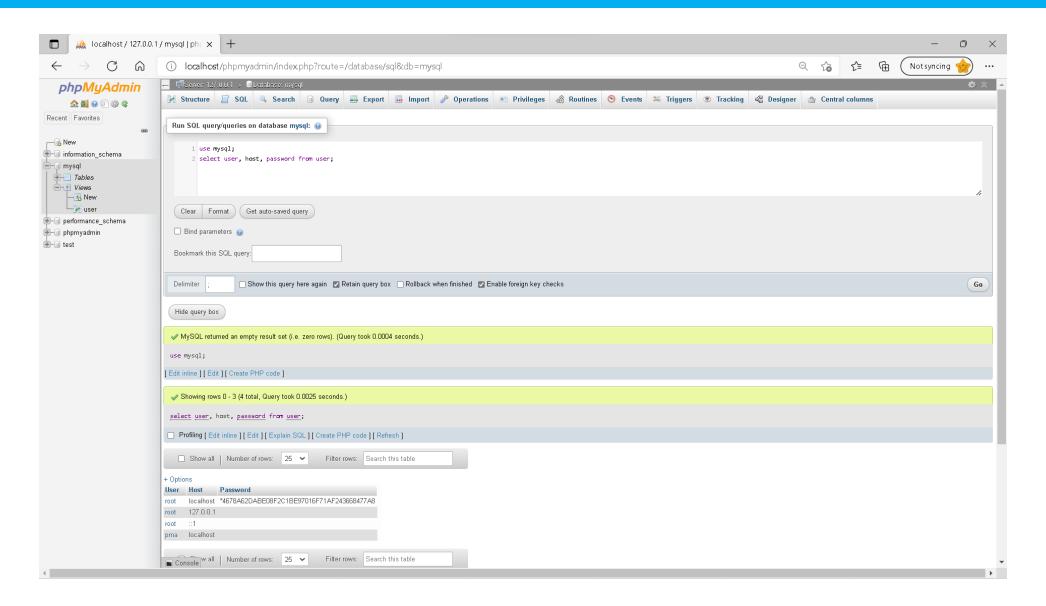






## phpMyAdmin INTERFACE







☐ If you arrived successfully at this slide, then success.

- □ Feel free to explore the many online tutorials regarding MySQL, e.g.:
  - https://www.mysqltutorial.org/
  - https://www.w3schools.com/MySQL/default.asp
  - https://www.tutorialspoint.com/mysql/index.htm
- ☐ See you next class.