MDE

TP1 – Class 0
Software Installation

(to prepare at home)

2023 - 2024

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
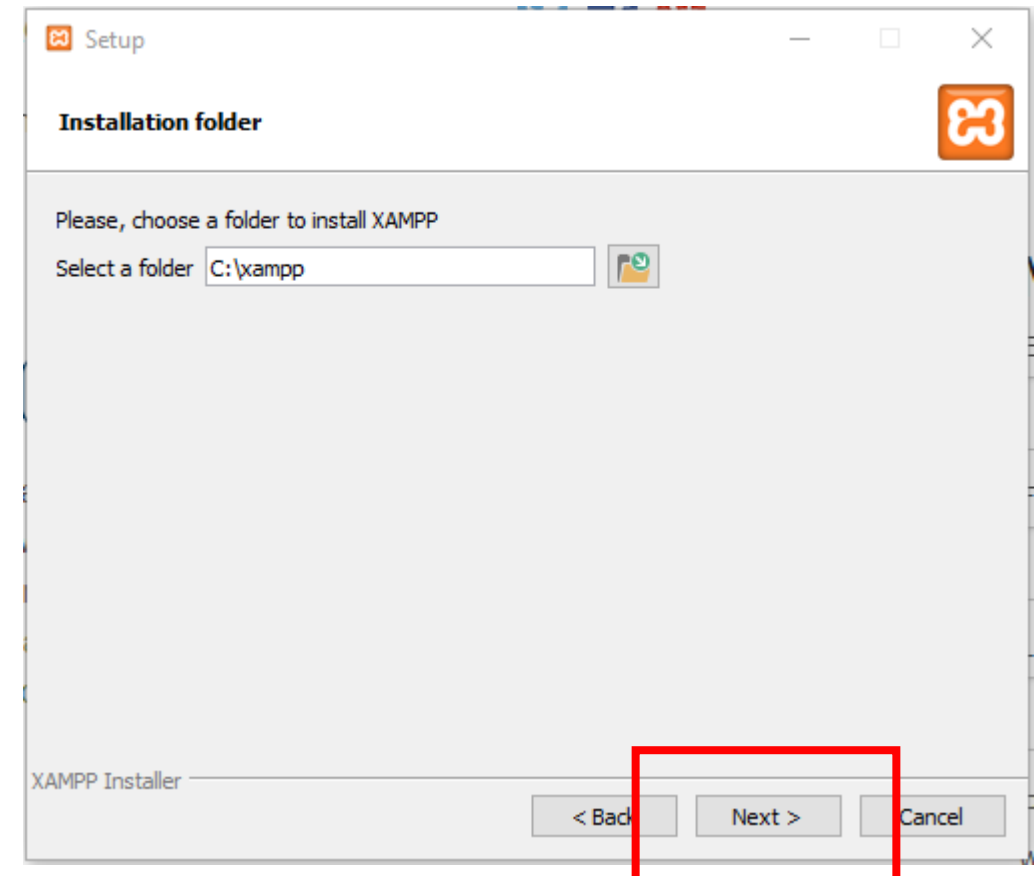
❑ Execute the installer.

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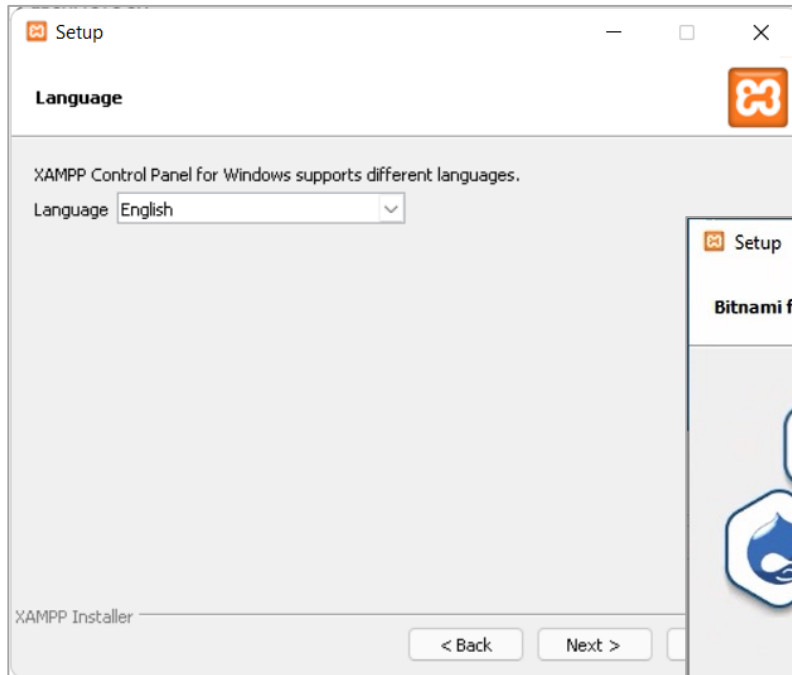

4

XAMPP INSTALLATION
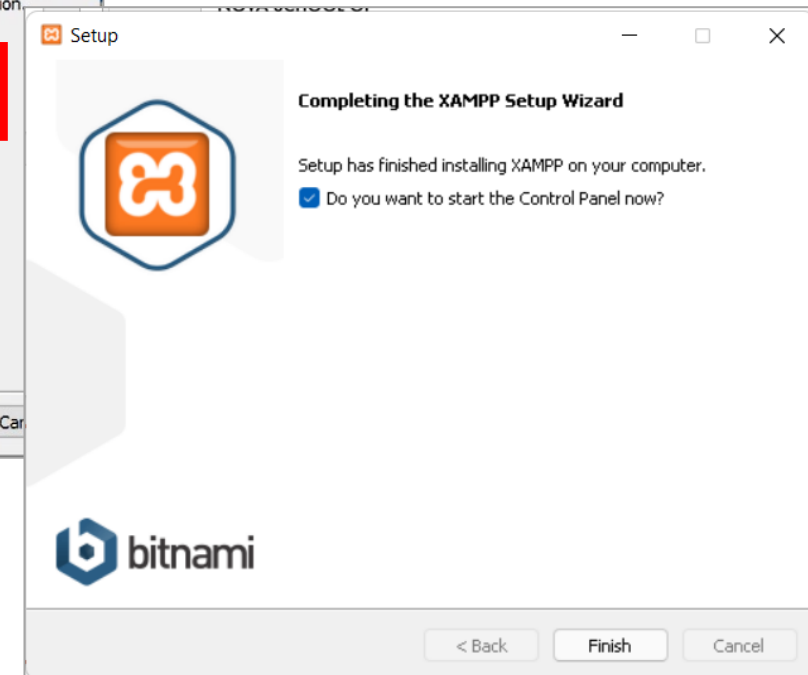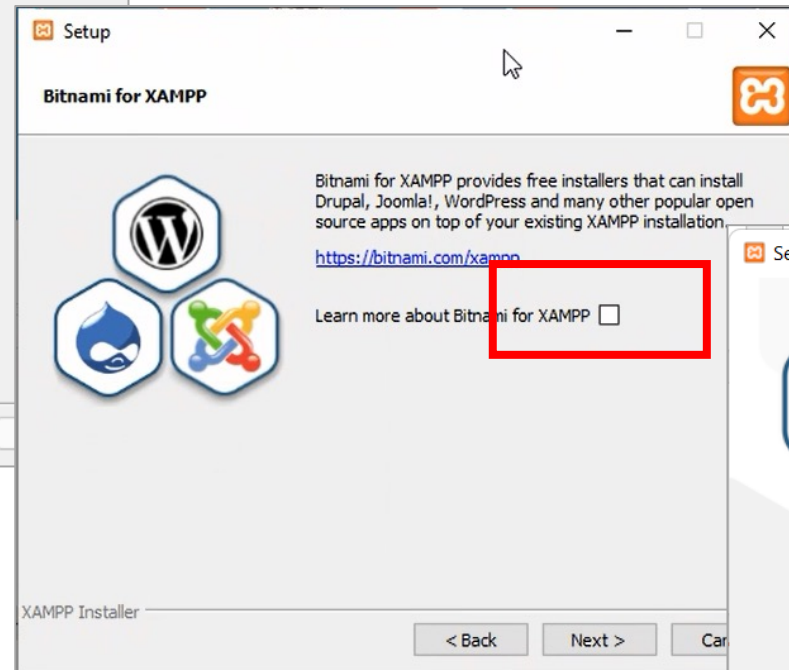
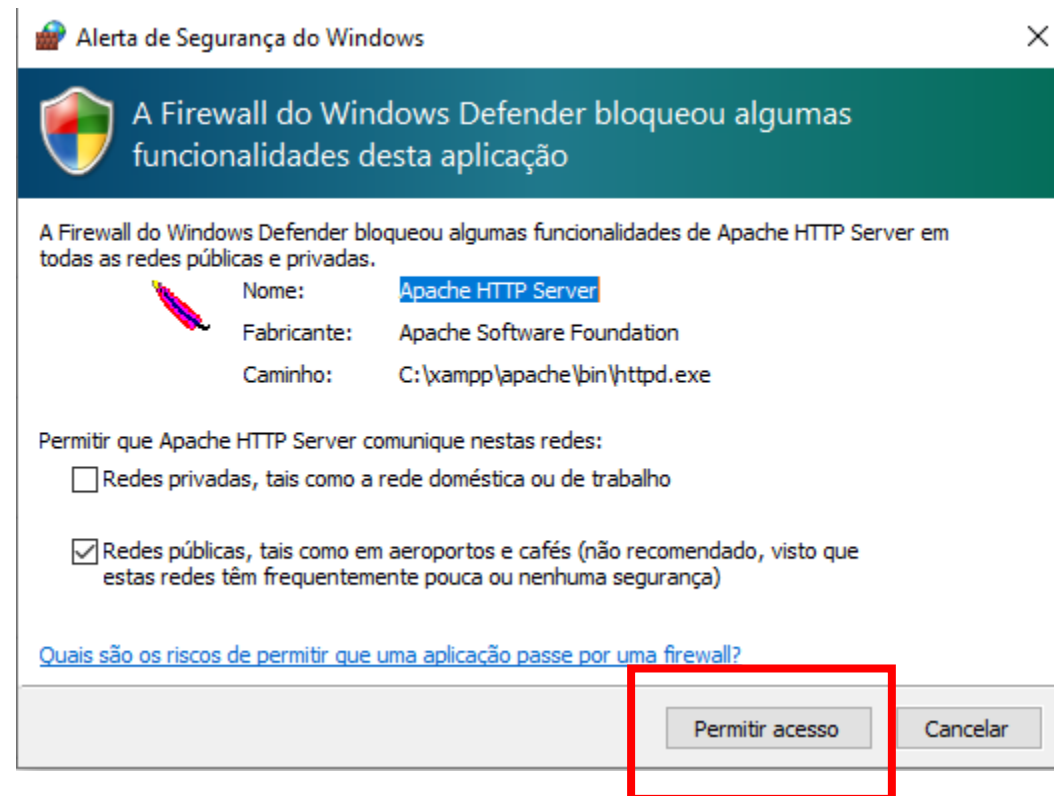**Leave all options by default**
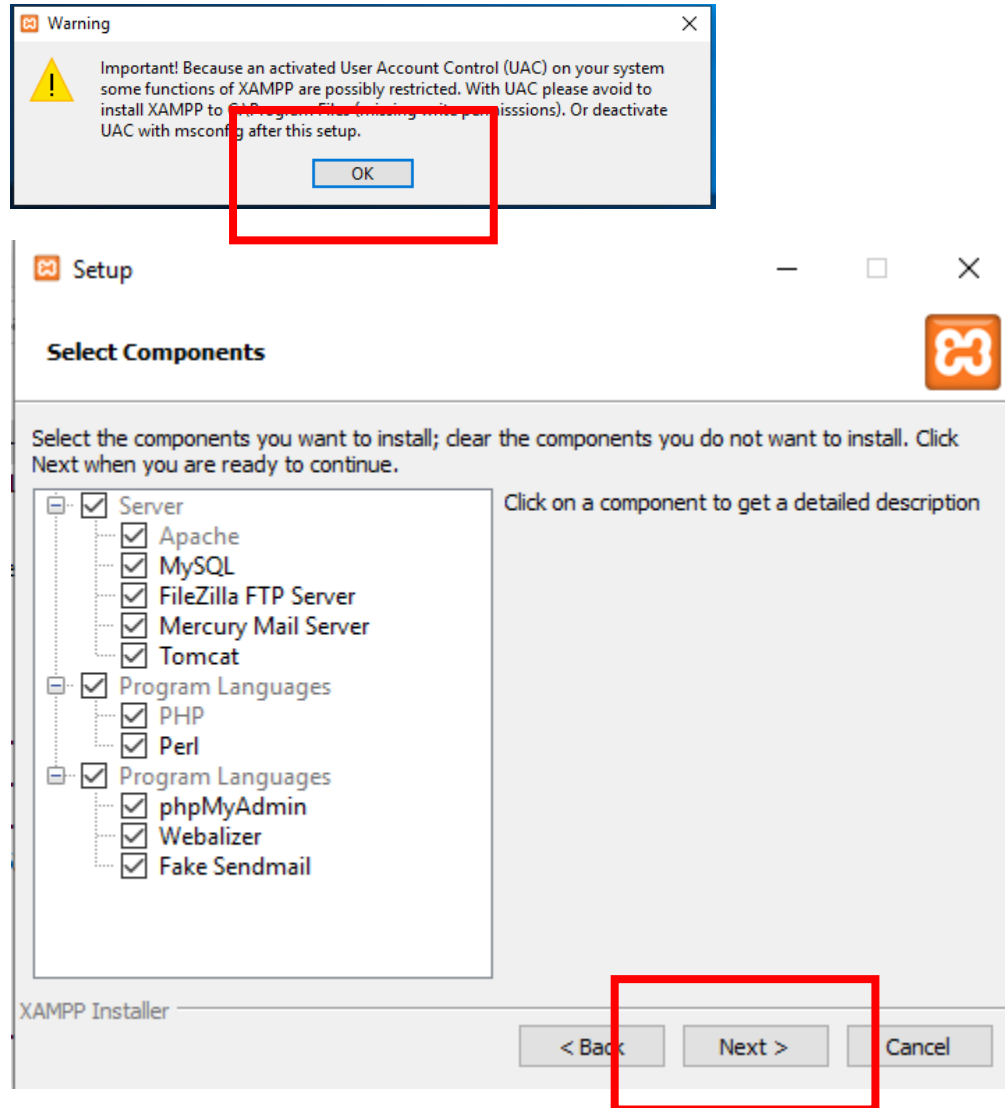
• Set the install folder **c:\xampp**

XAMPP INSTALLATION

Uncheck the option
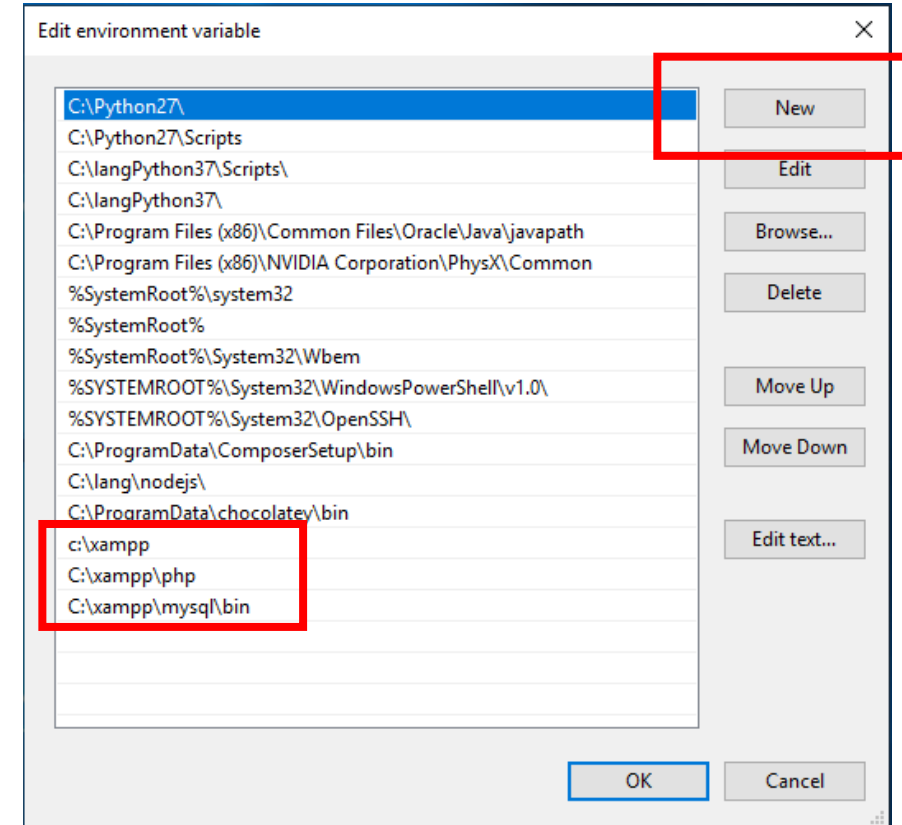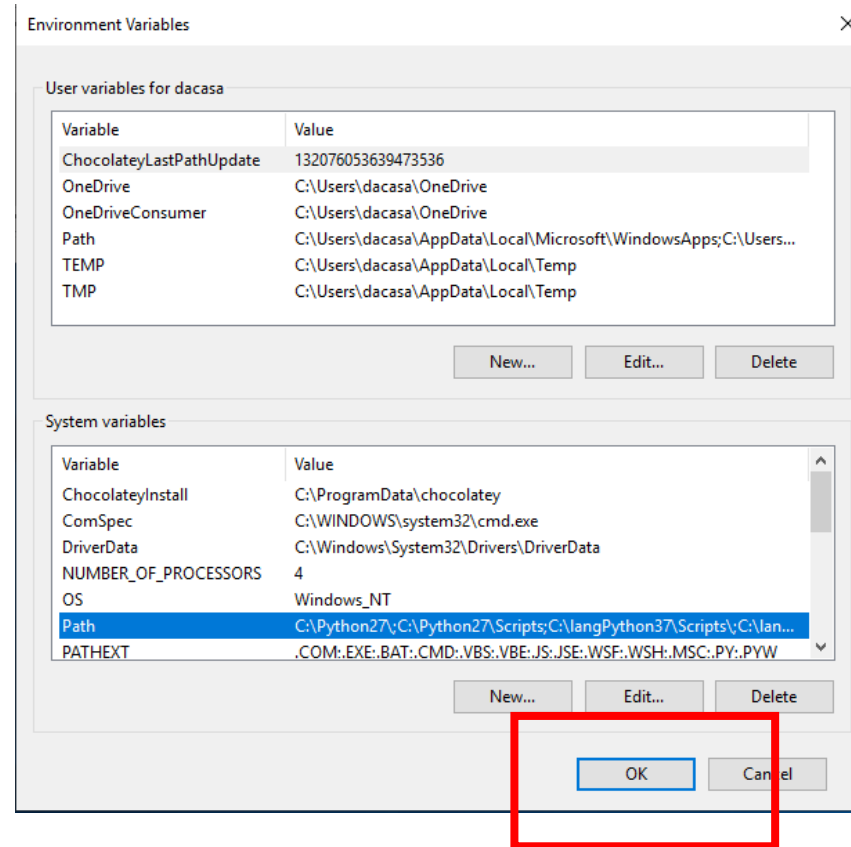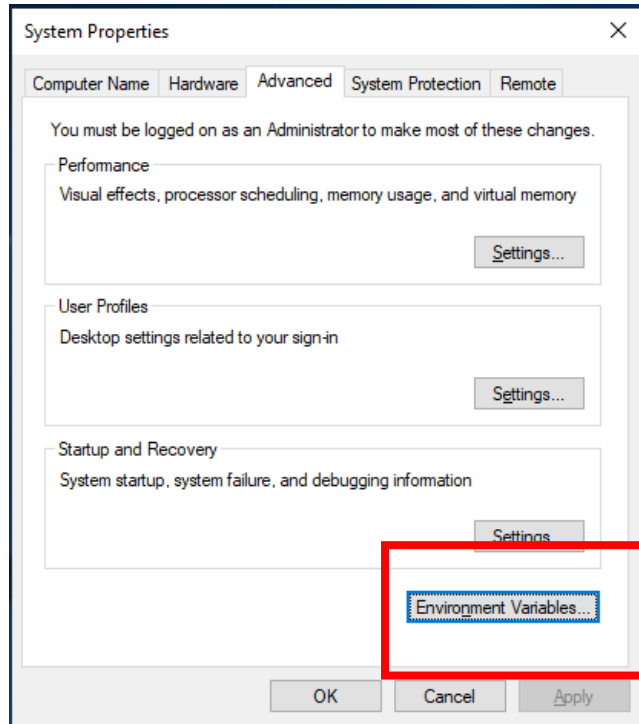
SOME CONFIGURATIONS
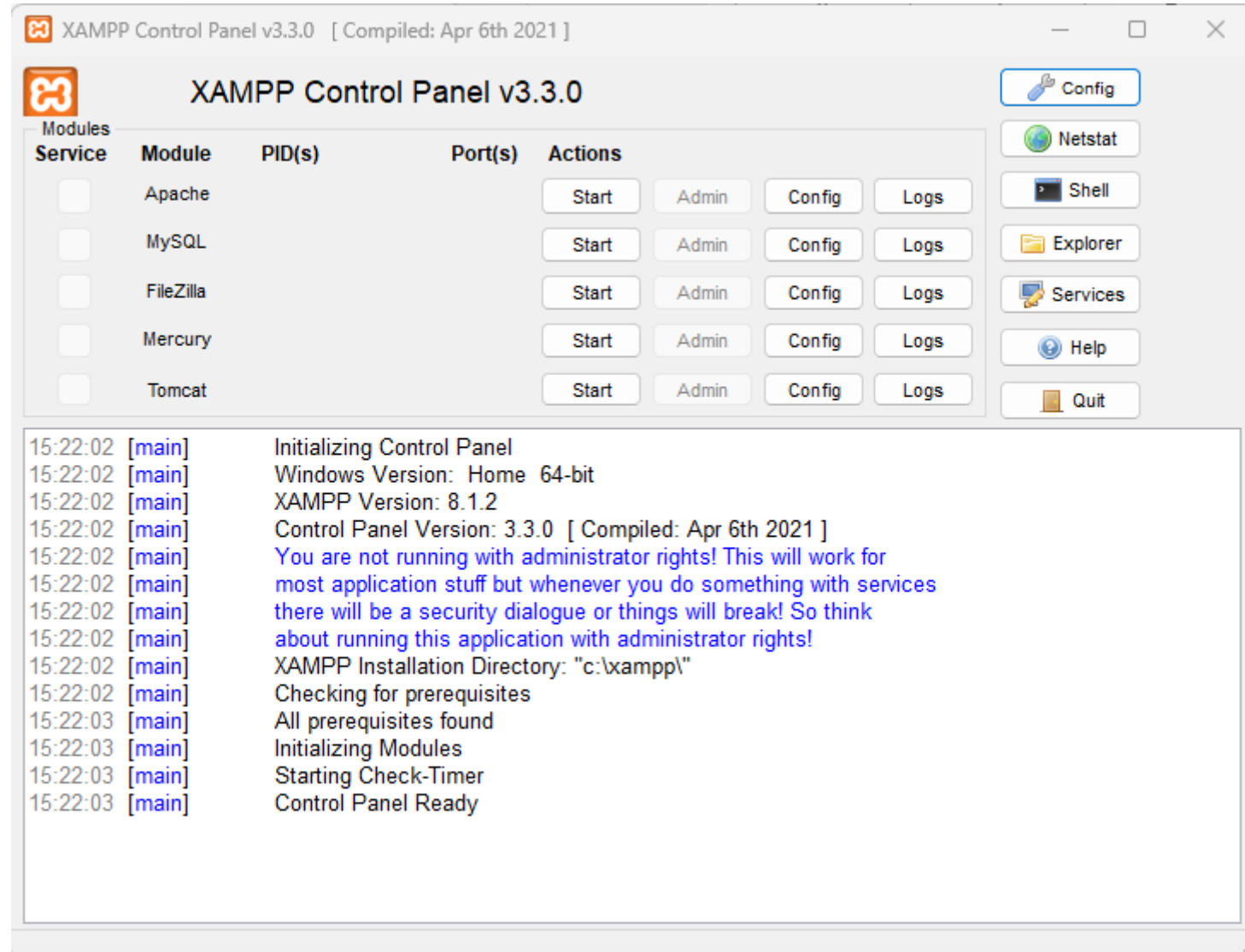
Allow in Firewall If it appears

SOME CONFIGURATIONS
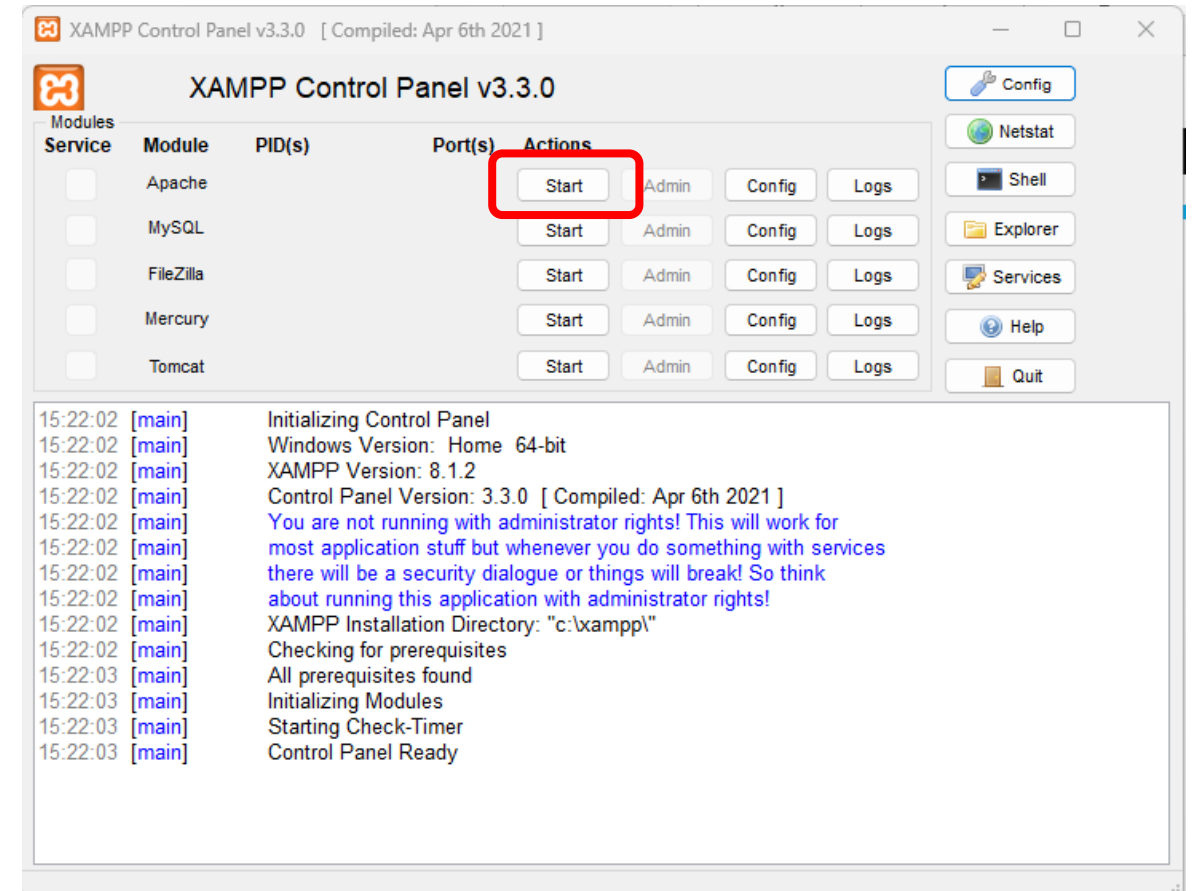
Not mandatory, but helpful sometimes

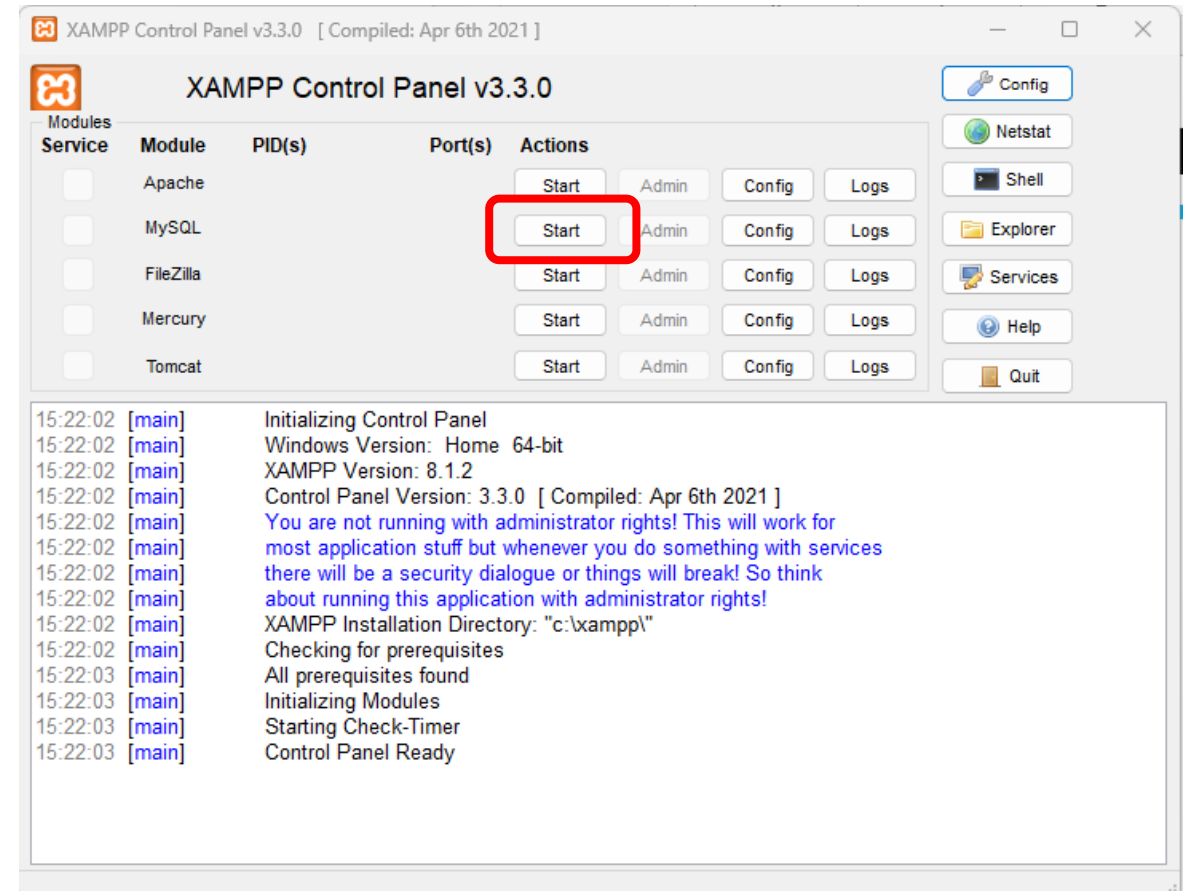# XAMPP APPLICATION

XAMPP APPLICATION – START Apache

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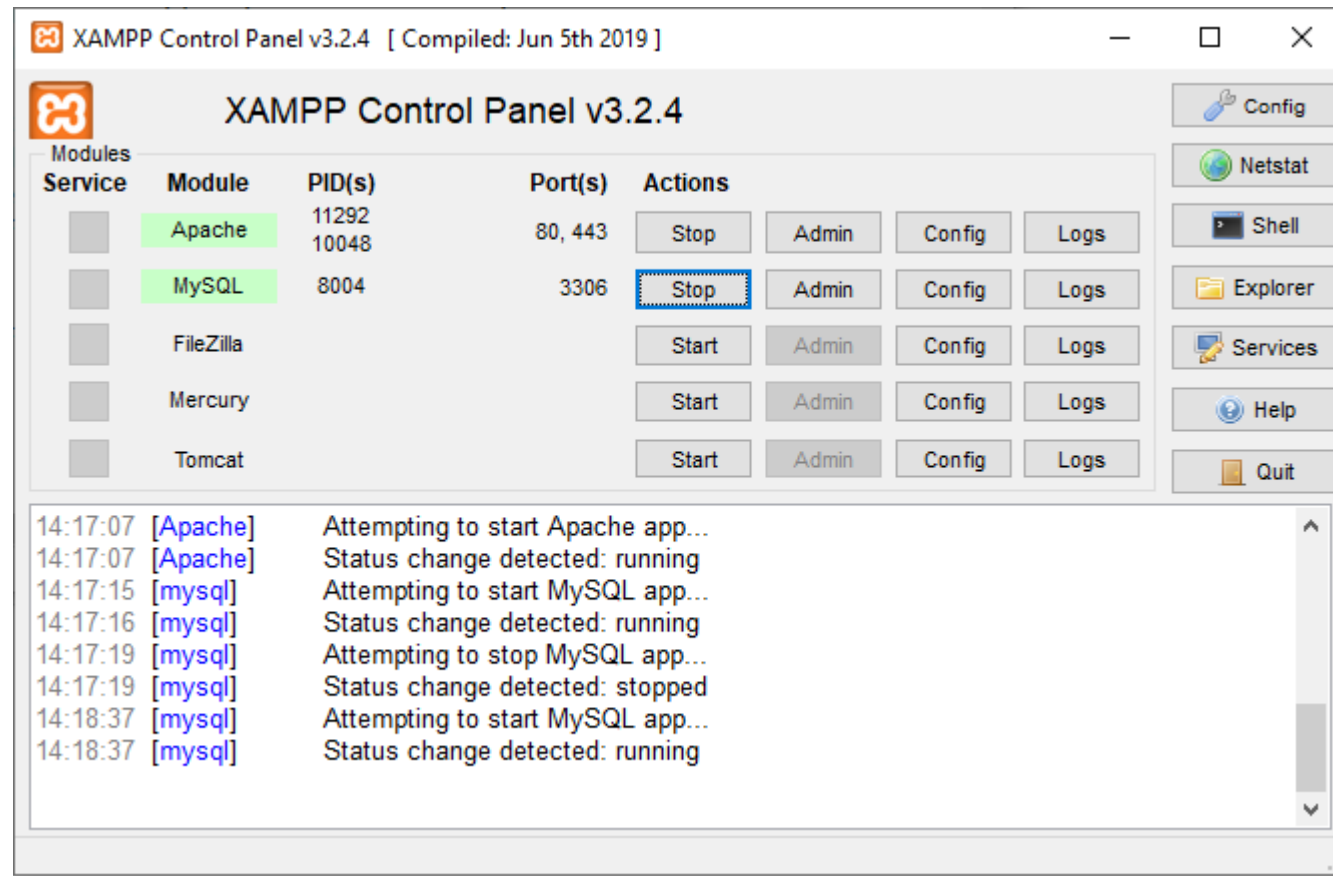
- ☐ Let firewall allow access if dialog appears

XAMPP APPLICATION – START MySQL

❑ Press MySQL start "button"

❑ Let firewall allow access if dialog appears

XAMPP APPLICATION – Apache + MySQL Running

MySQL: ROOT CONFIGURATION

NOVA

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';

```
Command Prompt - mysql  -uroot -p                                    —    □    ×

C:\Users\abstr>mysql -uroot -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> ALTER USER 'root'@'localhost' IDENTIFIED BY 'mde';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]>
```

Don't mistake or forget the password **ever!**
Due to security concerns, the recovery process is very complex.
See here:
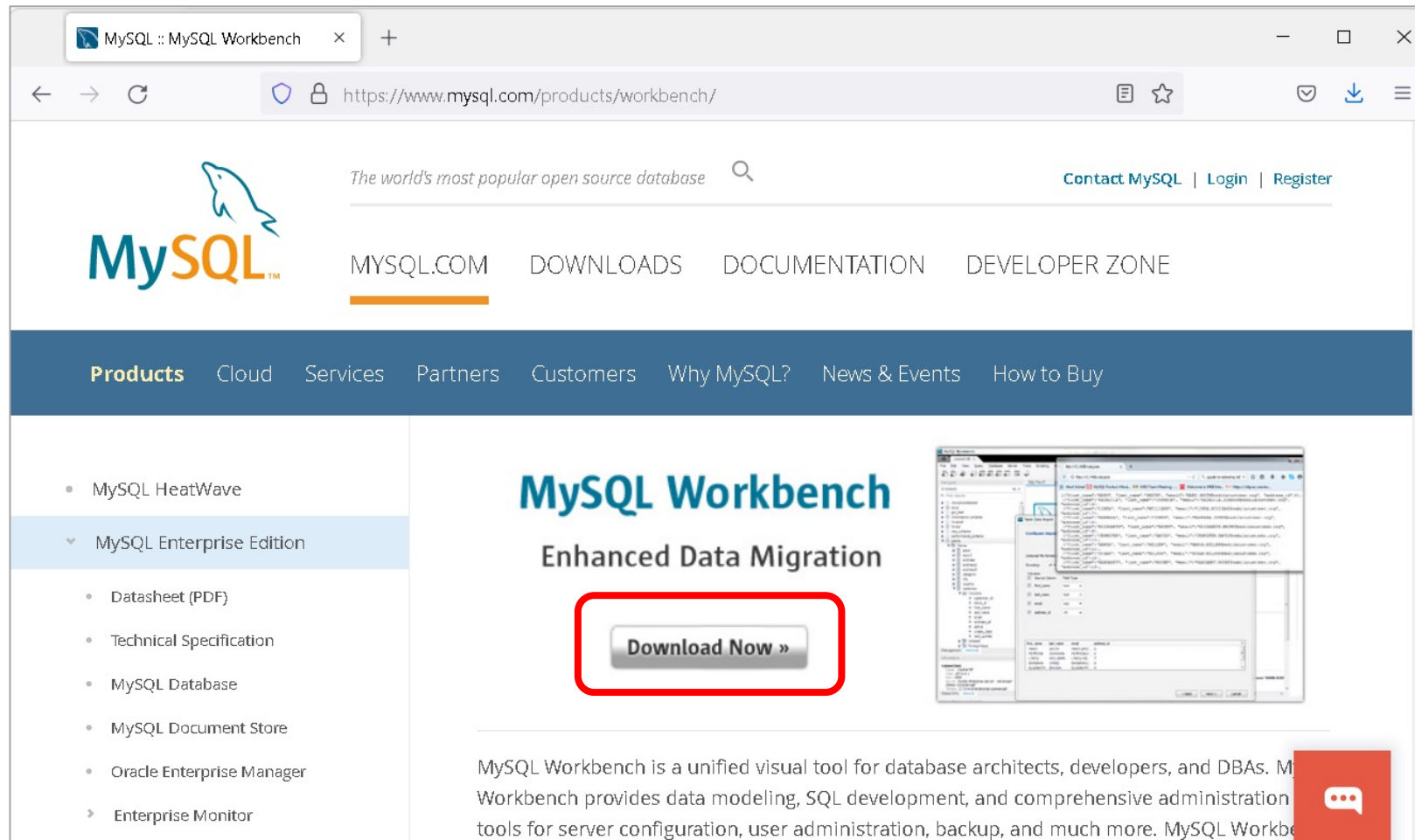https://dev.mysql.com/doc/mysql-windows-excerpt/5.7/en/resetting-permissions-windows.html

MySQL Workbench

Installation

MySQL Workbench INSTALLATION

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

MySQL Workbench INSTALLATION

MySQL Workbench: CREATE CONNECTION

MySQL Workbench: CREATE CONNECTION

Fill in the fields

mde

MySQL Workbench: TESTING CONNECTION
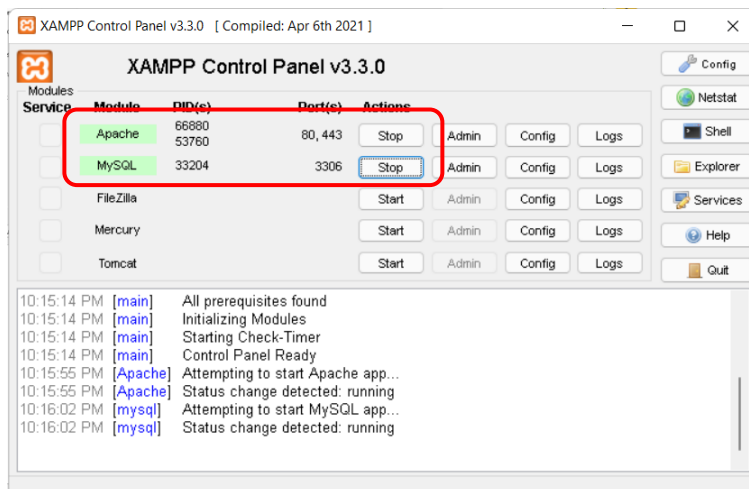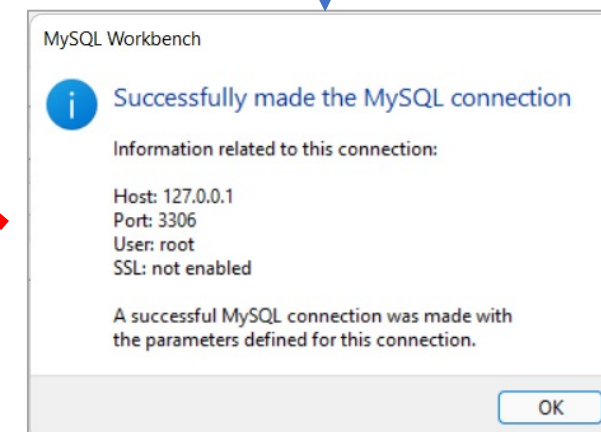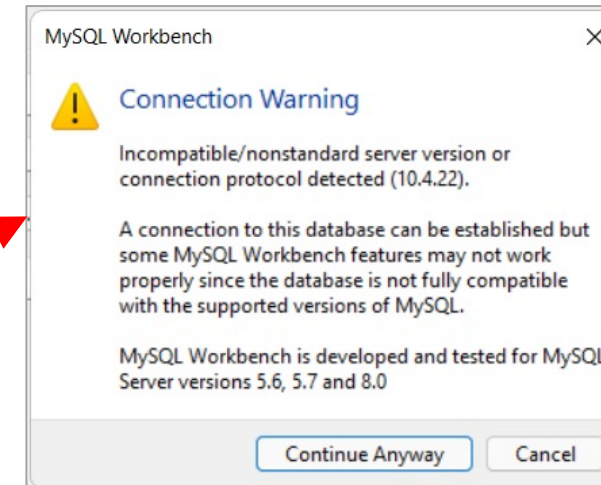
MySQL Workbench: 1ˢᵗ TRY

- 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

As we have not specified constraints yet, this error happens.

MySQL Workbench: 1ˢᵗ EXAMPLE – Disabling the error

- Save the editor.
- Click preferences:

MySQL Workbench: 1st EXAMPLE – Disabling the error

- Close workbench
- Click connection.
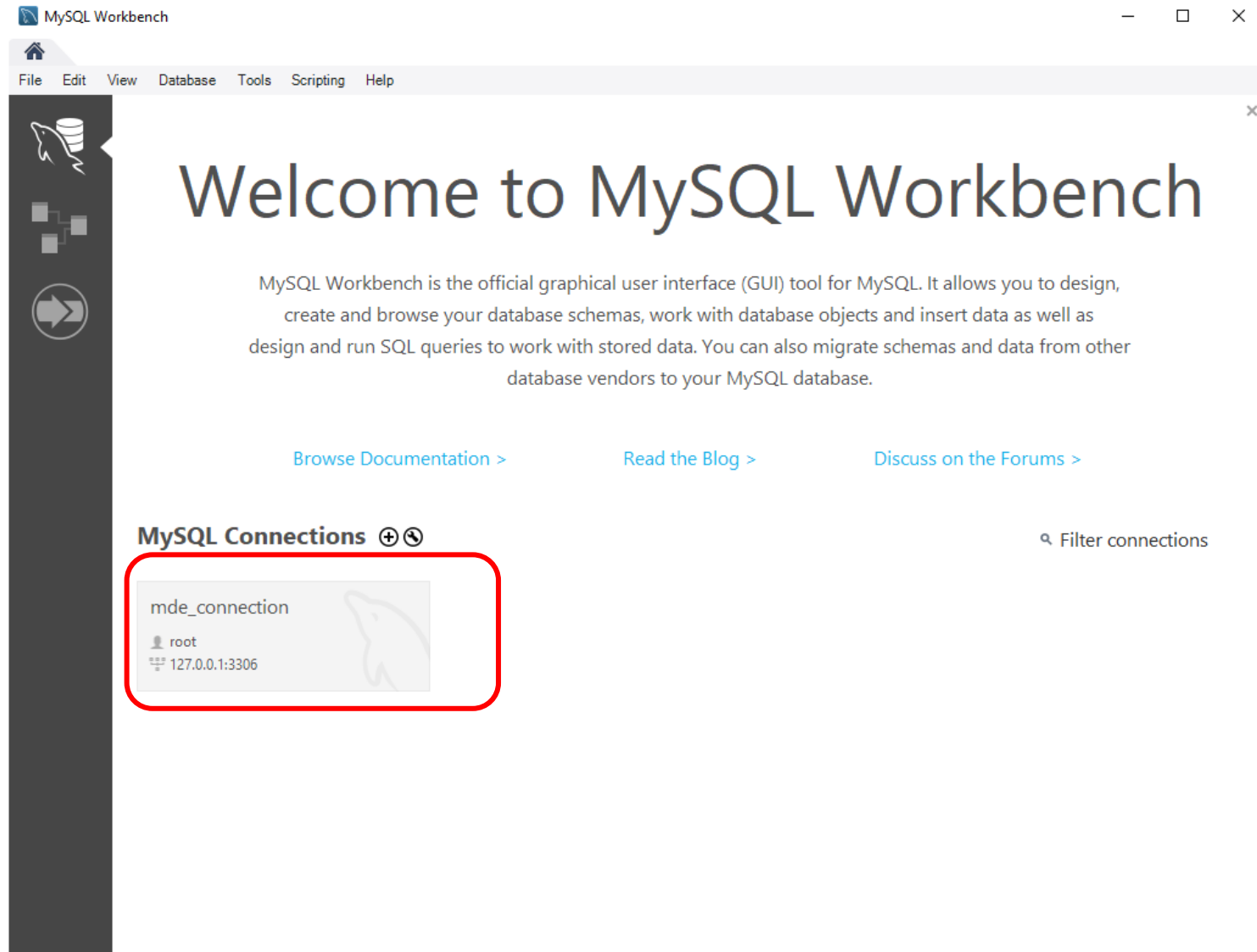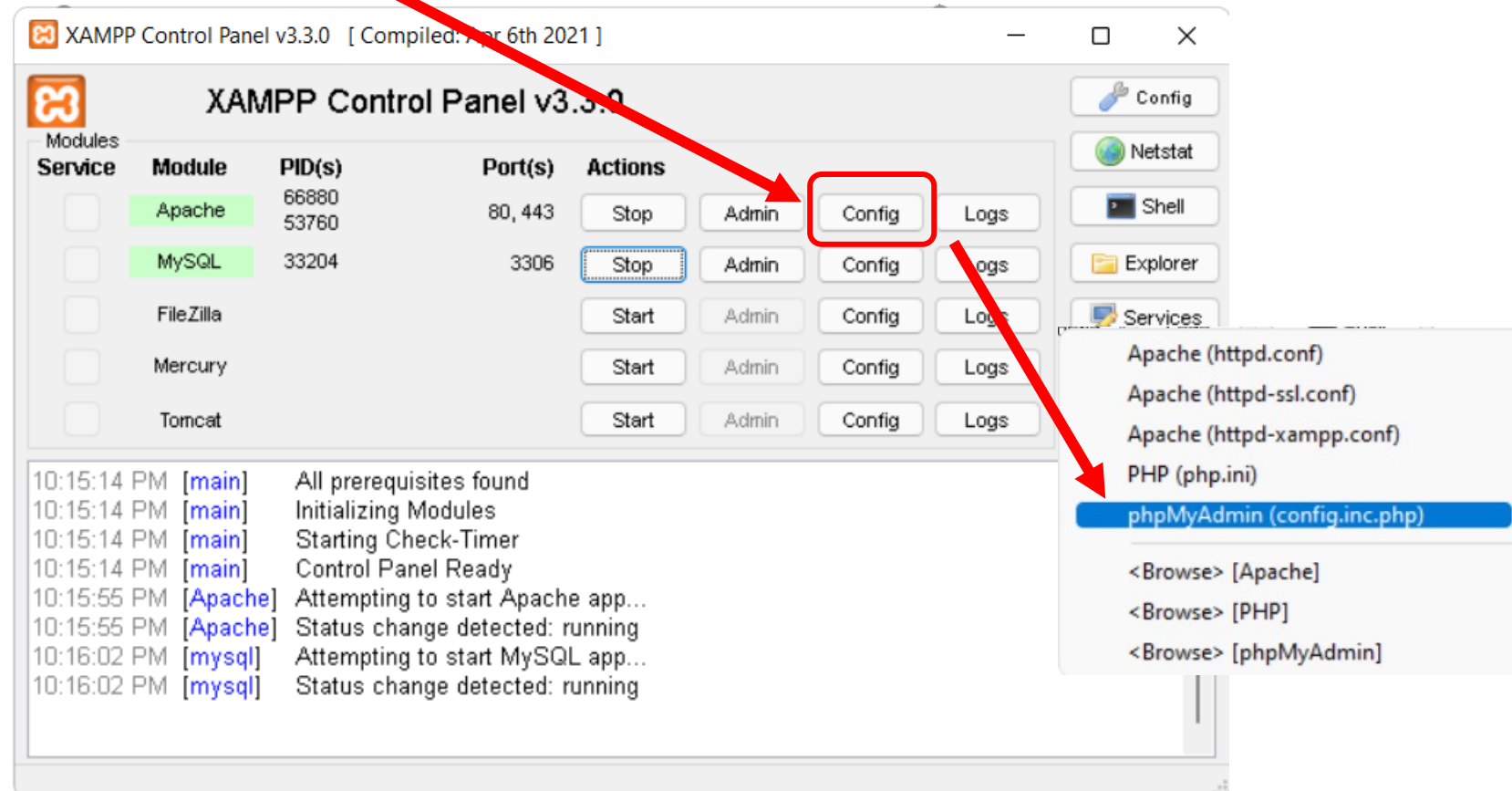
MySQL Workbench: 1ˢᵗ EXAMPLE – Trying Again

phpMyAdmin

Configuration

phpMyAdmin CONFIGURATION

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

Press button config

phpMyAdmin CONFIGURATION: Setting the password


```
config.inc.php - Notepad

File   Edit   View                                          2

 * First server
 */
$i++;

/* Authentication type and info */
$cfg['Servers'][$i]['auth_type'] = 'config';
$cfg['Servers'][$i]['user'] = 'root';
$cfg['Servers'][$i]['password'] = 'mde';
$cfg['Servers'][$i]['extension'] = 'mysqli';
$cfg['Servers'][$i]['AllowNoPassword'] = true;
$cfg['Lang'] = '';

/* Bind to the localhost ipv4 address and tcp */
$cfg['Servers'][$i]['host'] = '127.0.0.1';
$cfg['Servers'][$i]['connect_type'] = 'tcp';

/* User for advanced features */
$cfg['Servers'][$i]['controluser'] = 'pma';
$cfg['Servers'][$i]['controlpass'] = '';

Ln 21, Col 39            100%      Unix (LF)       UTF-8
```
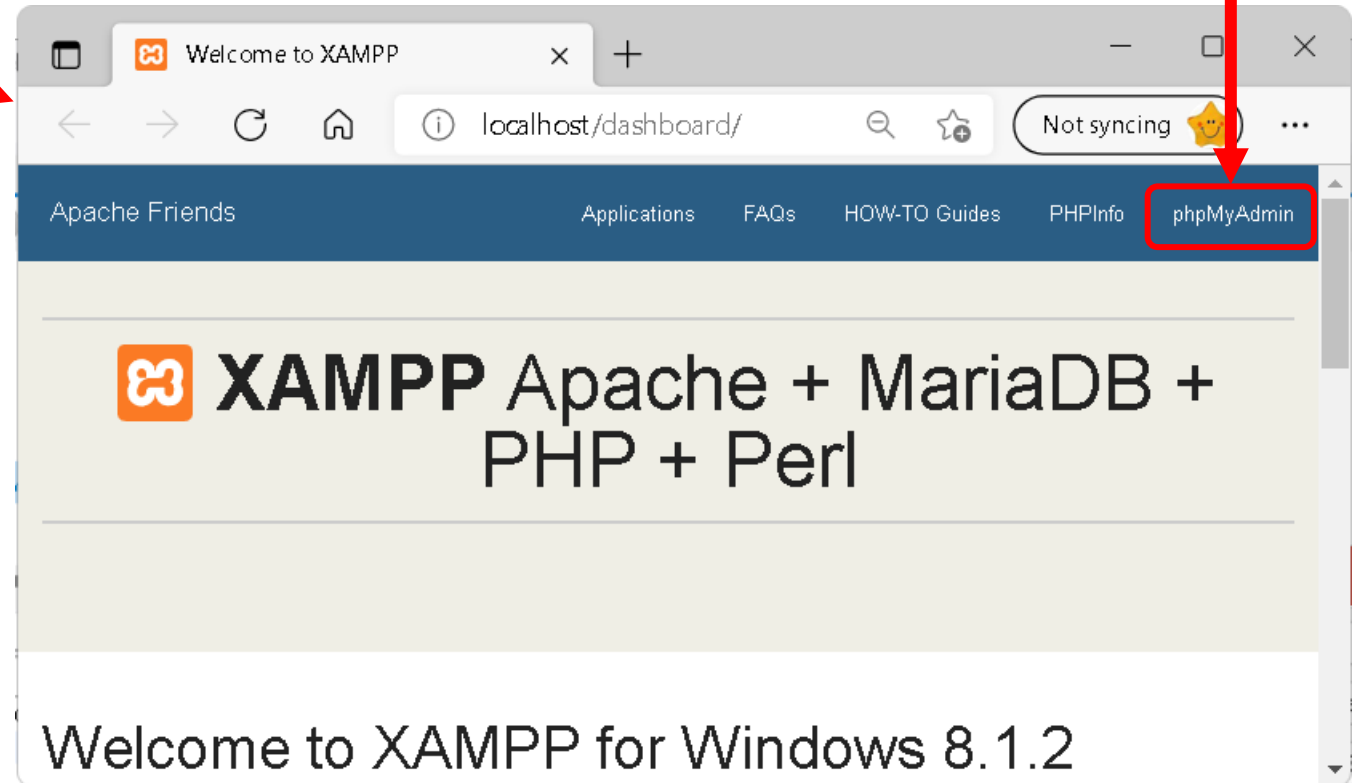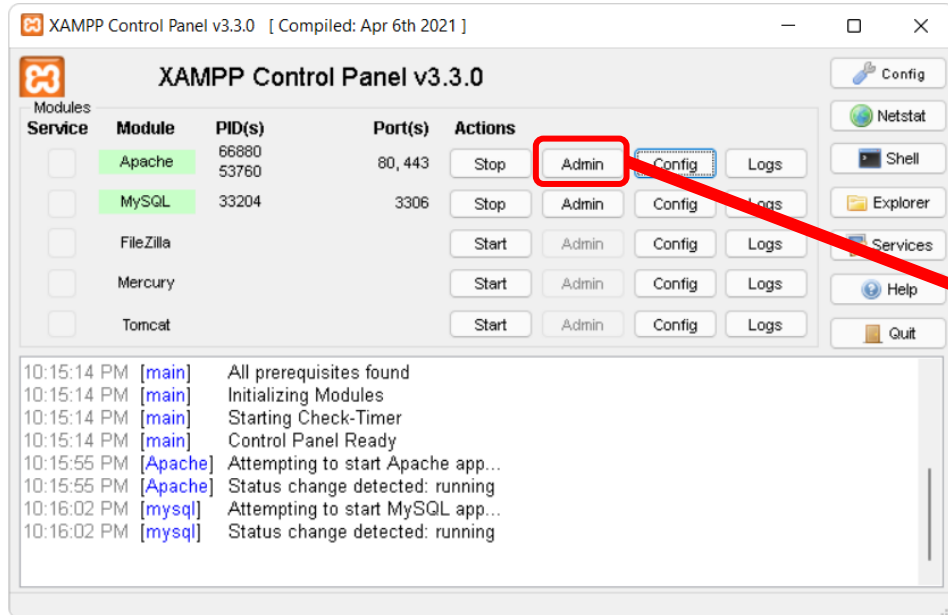
Insert the MySQL password specified before, 'mde'

Save the file

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.