

PEMROGRAMAN WEB

PERTEMUAN 1

PERKENALAN & KONTRAK KULIAH

INTRODUCTION

Hello, class!

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LAB RULES

1. Toleransi keterlambatan: 15 menit
2. Maksimal absen dan izin: 2 kali
3. Konfirmasi izin minimal 1 jam sebelum praktikum berlangsung, disertakan dengan alasan yang logis.
4. Menjaga ketertiban selama praktikum berlangsung.
5. Tugas individu tidak boleh sama persis.
6. Dilarang membawa makanan ke dalam ruangan lab.

KONTRAK KULIAH

Tugas : 50%

Kuis : 30%

Keaktifan : 20%

(+) Kehadiran minimal 80%

FORMAT TUGAS

NIM_Nama_Tugas?.ext

Contoh:

221402036_ImmanuelMTManullang_Tugas1.html

TOOLS

XAMPP

Code Editor (Visual Studio Code, Sublime Text,
Notepad++, dll)

PEMROGRAMAN WEB

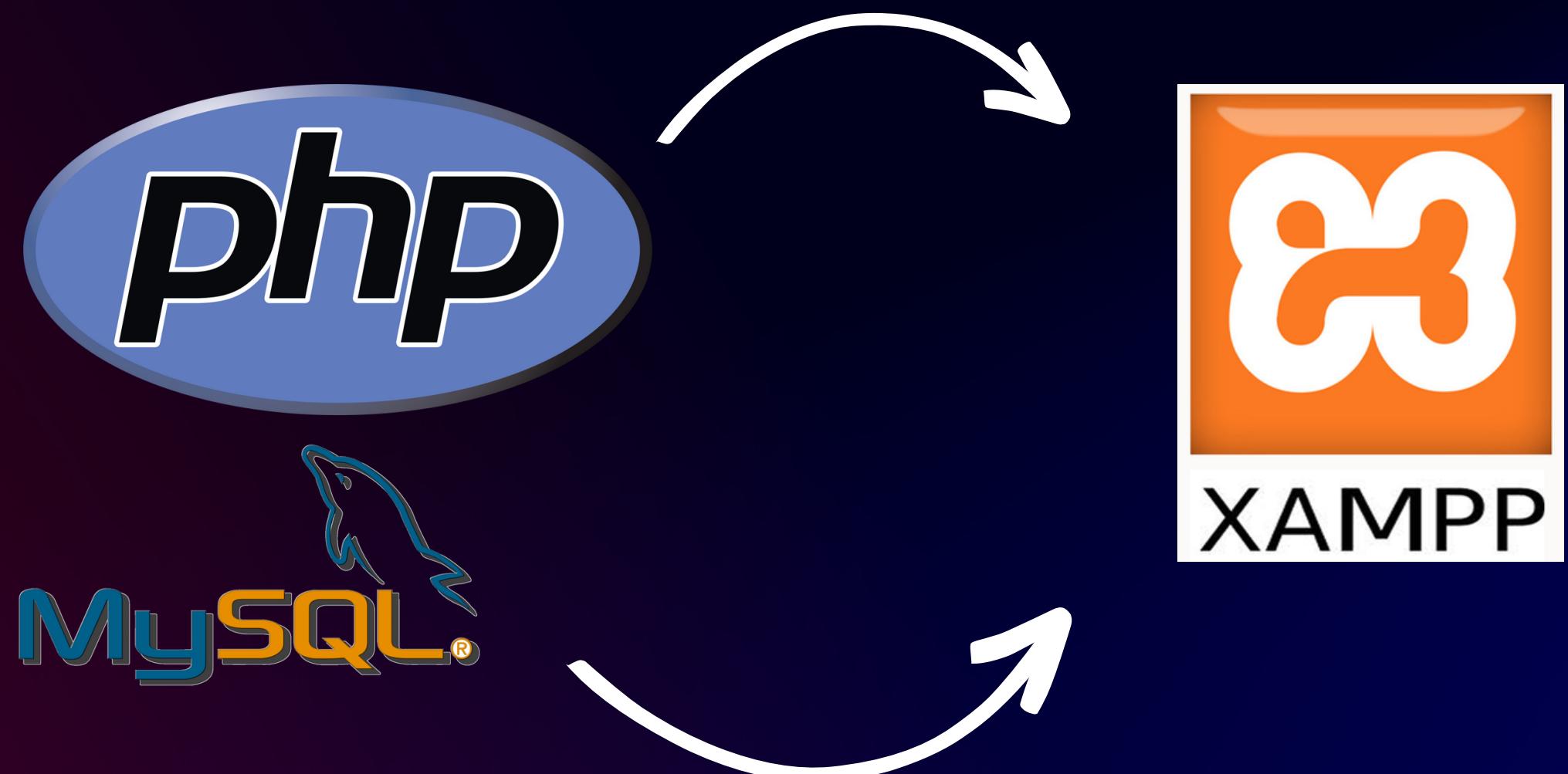
- Frontend



- HTML
(Hyper Text Markup Language)
- CSS
(Cascading Style Sheet)
- Javascript

PEMROGRAMAN WEB

- Backend



XAMPP

- XAMPP adalah sebuah paket perangkat lunak (software) komputer yang sistem penamaannya diambil dari akronim kata Apache, MySQL (dulu) / MariaDB (sekarang), PHP, dan Perl.
- XAMPP mampu menggantikan peran web hosting dengan cara menyimpan file website kedalam hosting lokal (localhost) agar bisa dipanggil lewat browser.
- XAMPP mampu mengkonfigurasikan MySQL dengan program kita.
- MySQL adalah sebuah DBMS (Database Management System) menggunakan perintah SQL (Structured Query Language) yang banyak digunakan saat ini dalam pembuatan aplikasi berbasis website. MySQL termasuk ke dalam RDBMS (Relational Database Management System). Sehingga, menggunakan tabel, kolom, baris, di dalam struktur database-nya. Jadi, dalam proses pengambilan data menggunakan metode relational database. Dan juga menjadi penghubung antara perangkat lunak dan database server.

INSTAL XAMPP

1. Download aplikasi XAMPP pada link:

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

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

XAMPP for Windows 8.0.28, 8.1.17 & 8.2.4

Version	Checksum	Size
8.0.28 / PHP 8.0.28	What's Included? md5 sha1	Download (64 bit) 144 Mb
8.1.17 / PHP 8.1.17	What's Included? md5 sha1	Download (64 bit) 148 Mb
8.2.4 / PHP 8.2.4	What's Included? md5 sha1	Download (64 bit) 149 Mb

[Requirements](#) [More Downloads »](#)

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms [here](#).

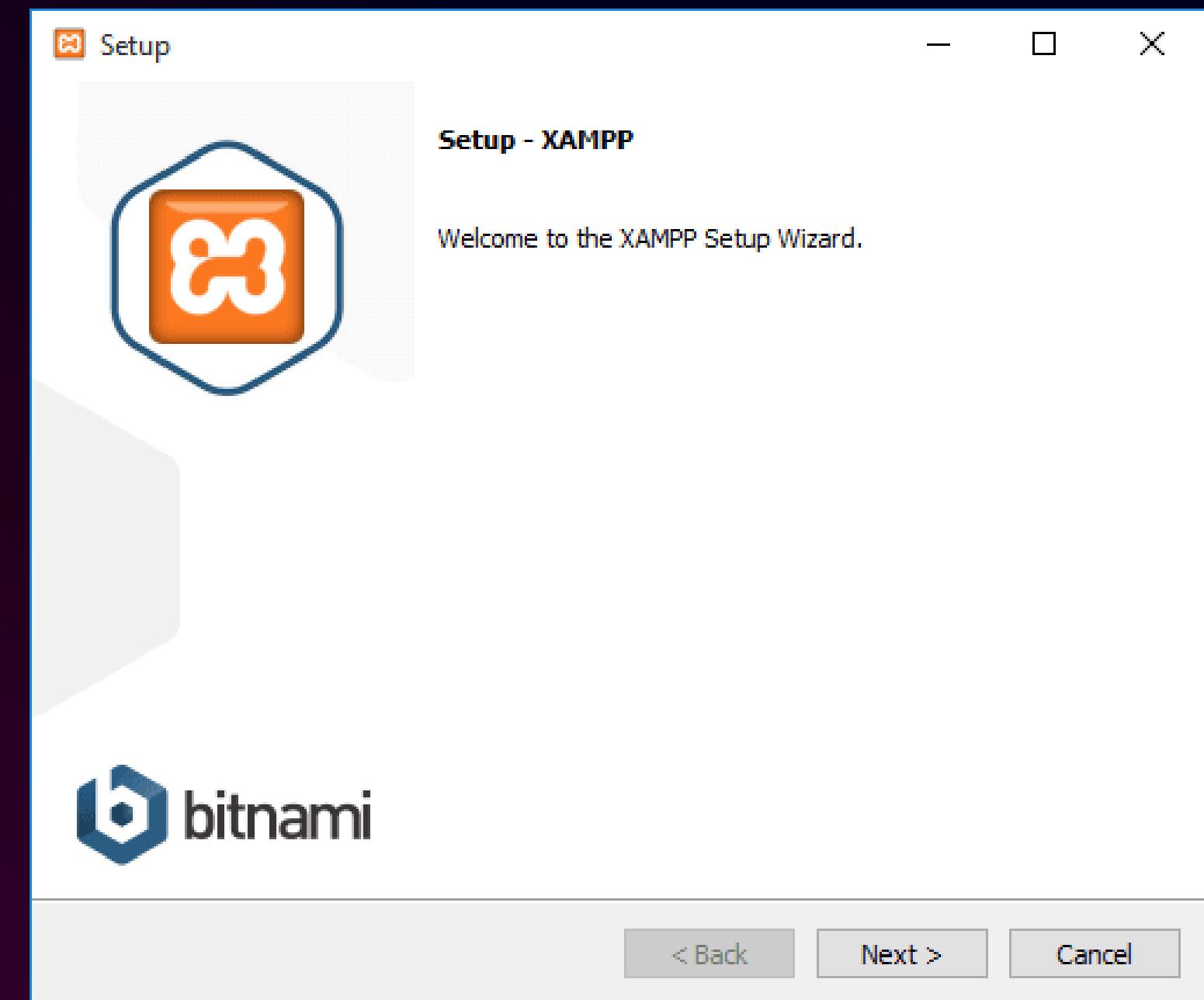
Documentation/FAQs

There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question that's not answered here? Try the [Forums](#) or [Stack Overflow](#).

- [Linux FAQs](#)
- [Windows FAQs](#)
- [OS X FAQs](#)
- [OS X XAMPP-VM FAQs](#)

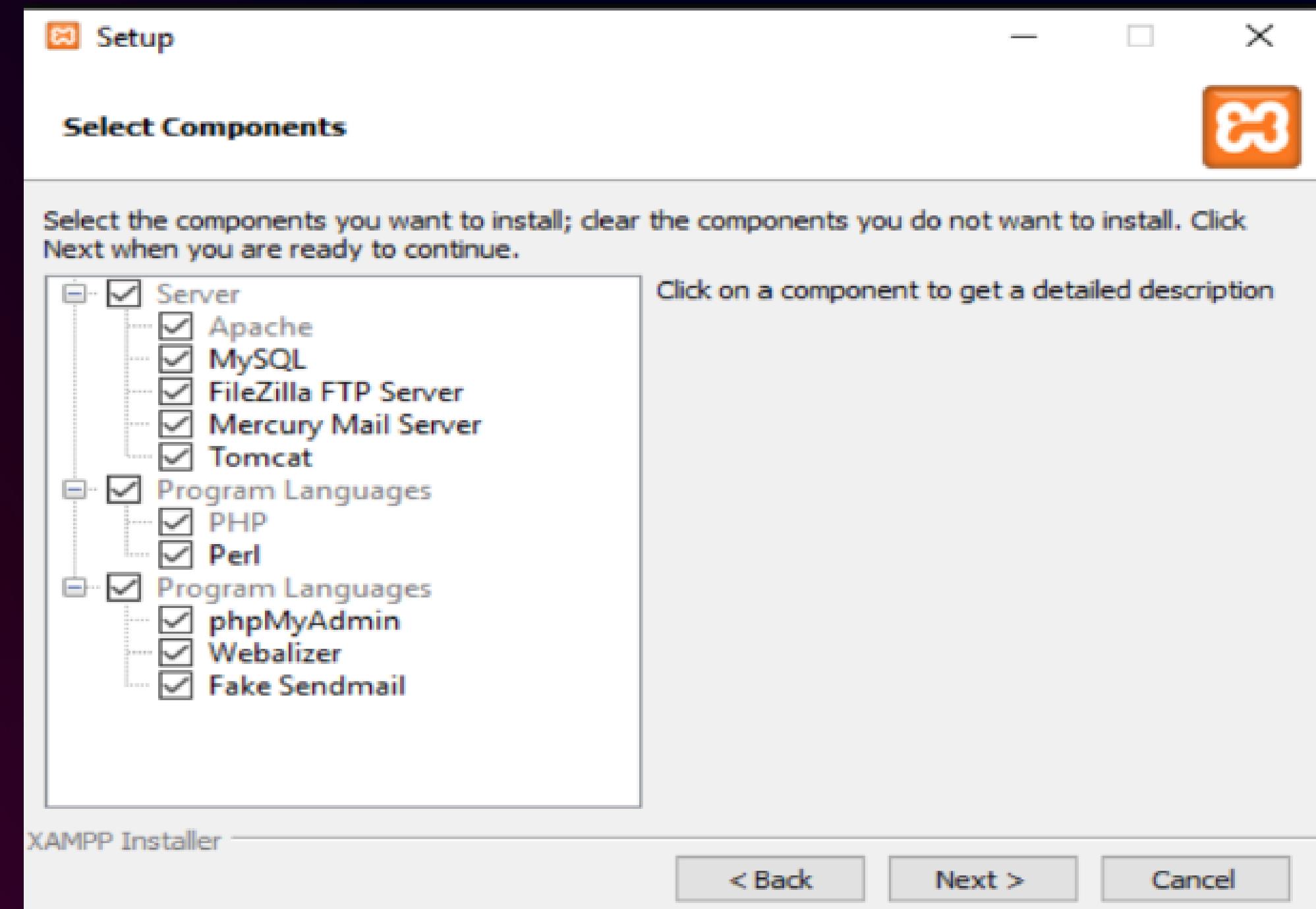
INSTAL XAMPP

2. klik aplikasi yang udah kamu download sampai menampilkan gambar seperti di bawah! Pilih NEXT.



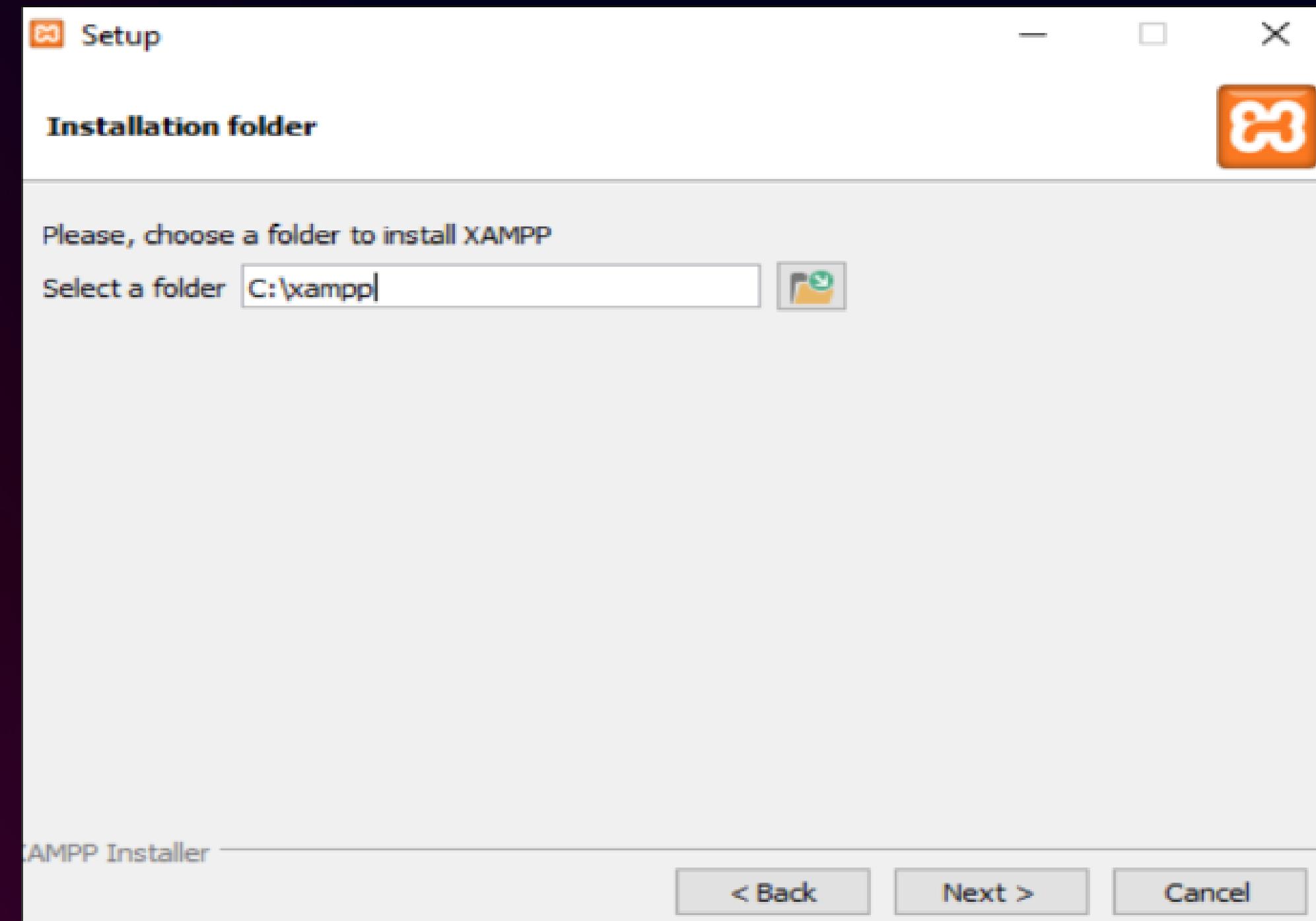
INSTAL XAMPP

3. Klik NEXT lagi



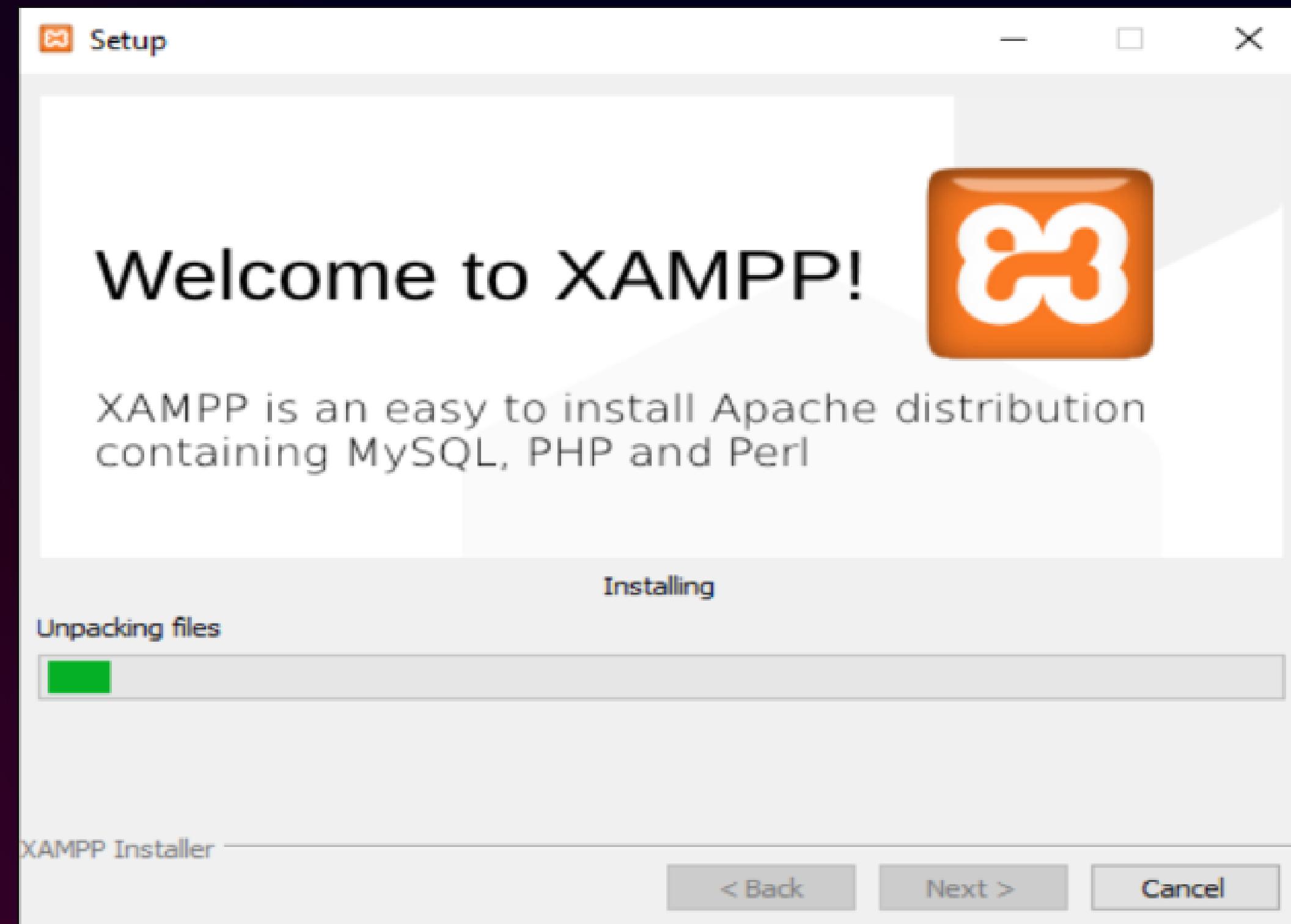
INSTAL XAMPP

4. Klik NEXT lagi



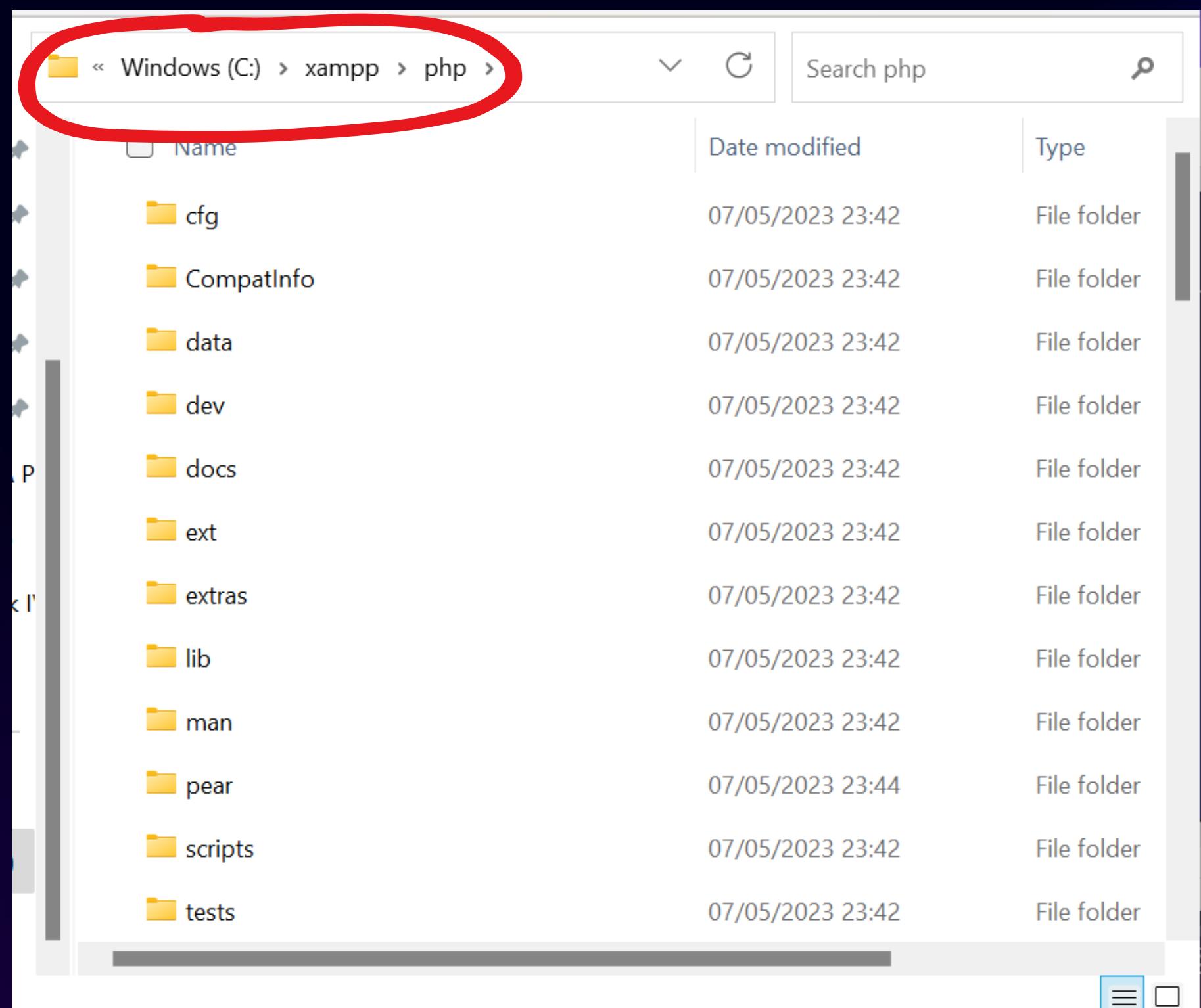
INSTAL XAMPP

5. Tunggu sampai selesai



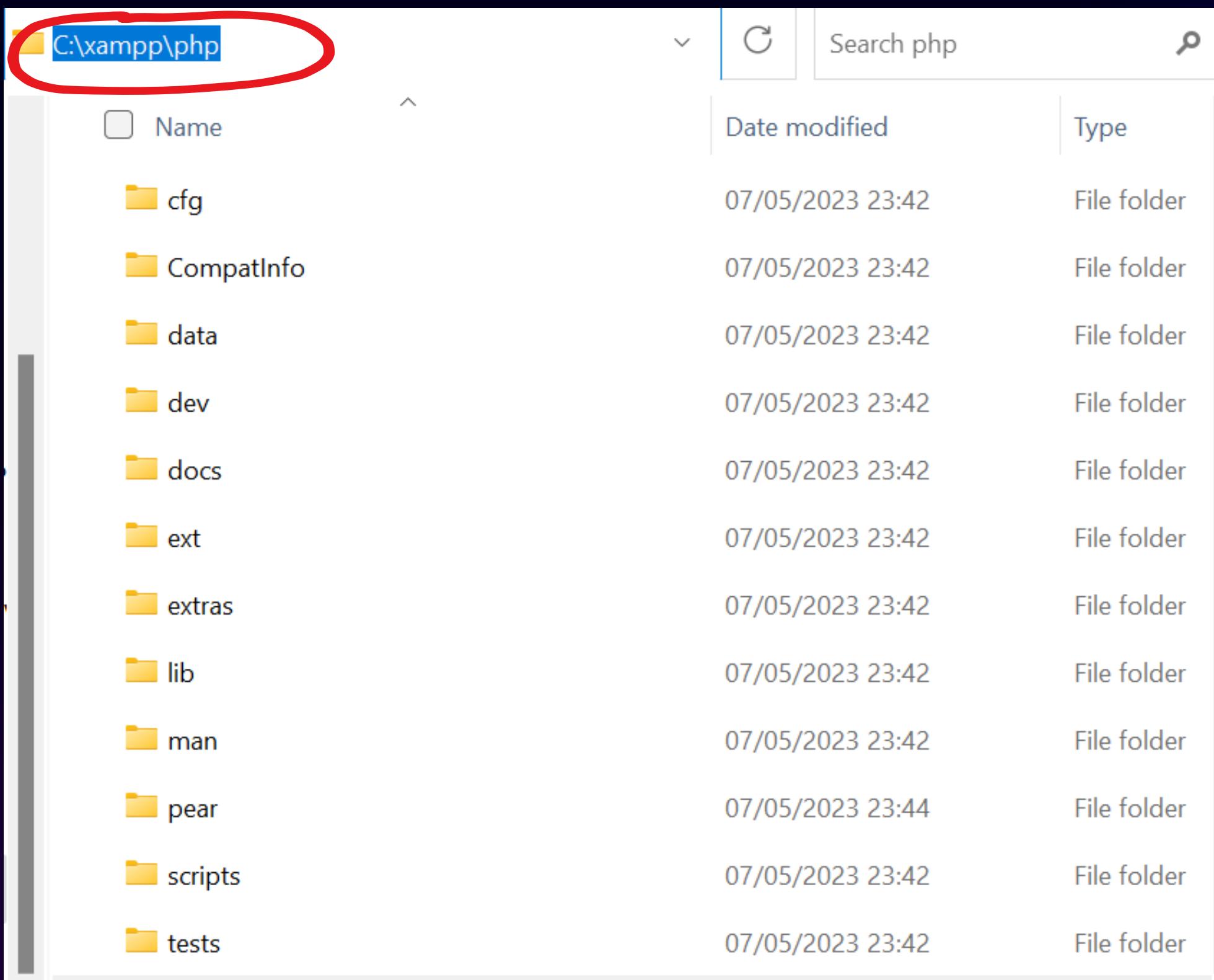
SET UP PATH

1. Buka File explorer -> masuk ke windows (C) / local disk (C)
2. Cari folder xampp -> masuk ke dalam folder xampp
3. Cari folder php -> masuk ke dalam folder php sampai muncul alamat direktori seperti yang dilingkari merah



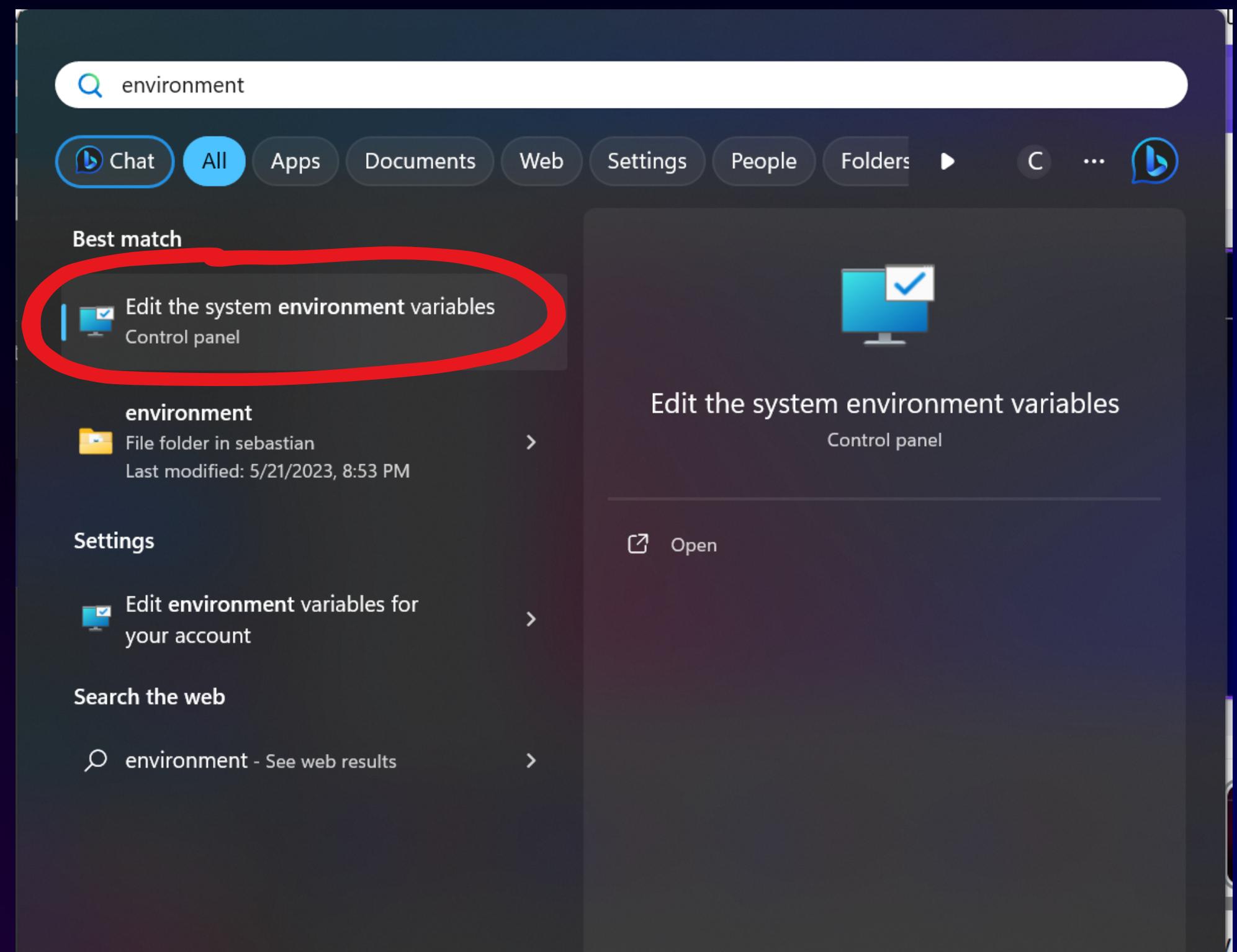
SET UP PATH

4. Tekan alamat direktori tersebut dan copy



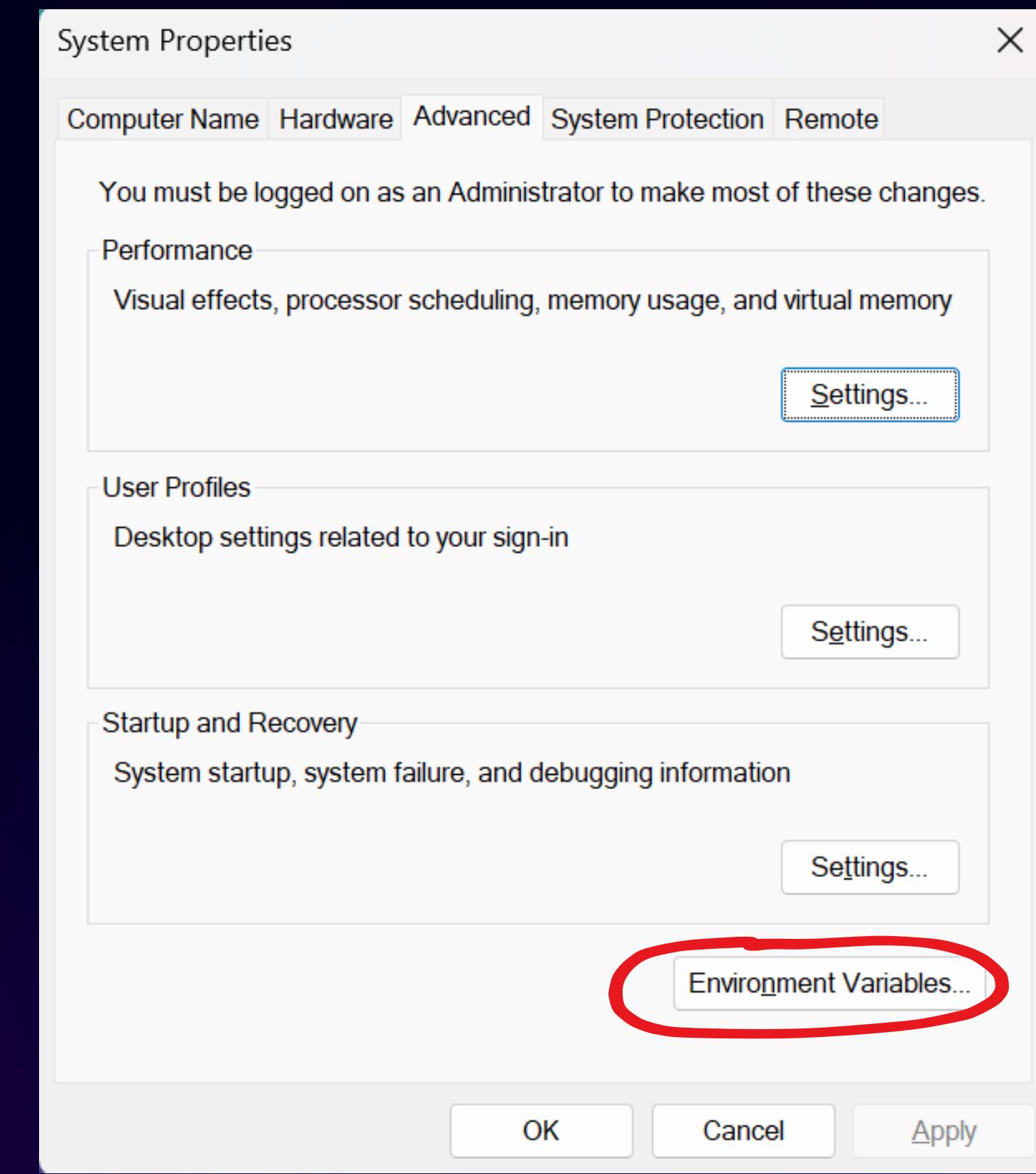
SET UP PATH

5. Cari di windows Environment
6. Pilih "Edit the system environment variables" atau dalam bahasa indonesia "Mengatur variabel lingkungan sistem"



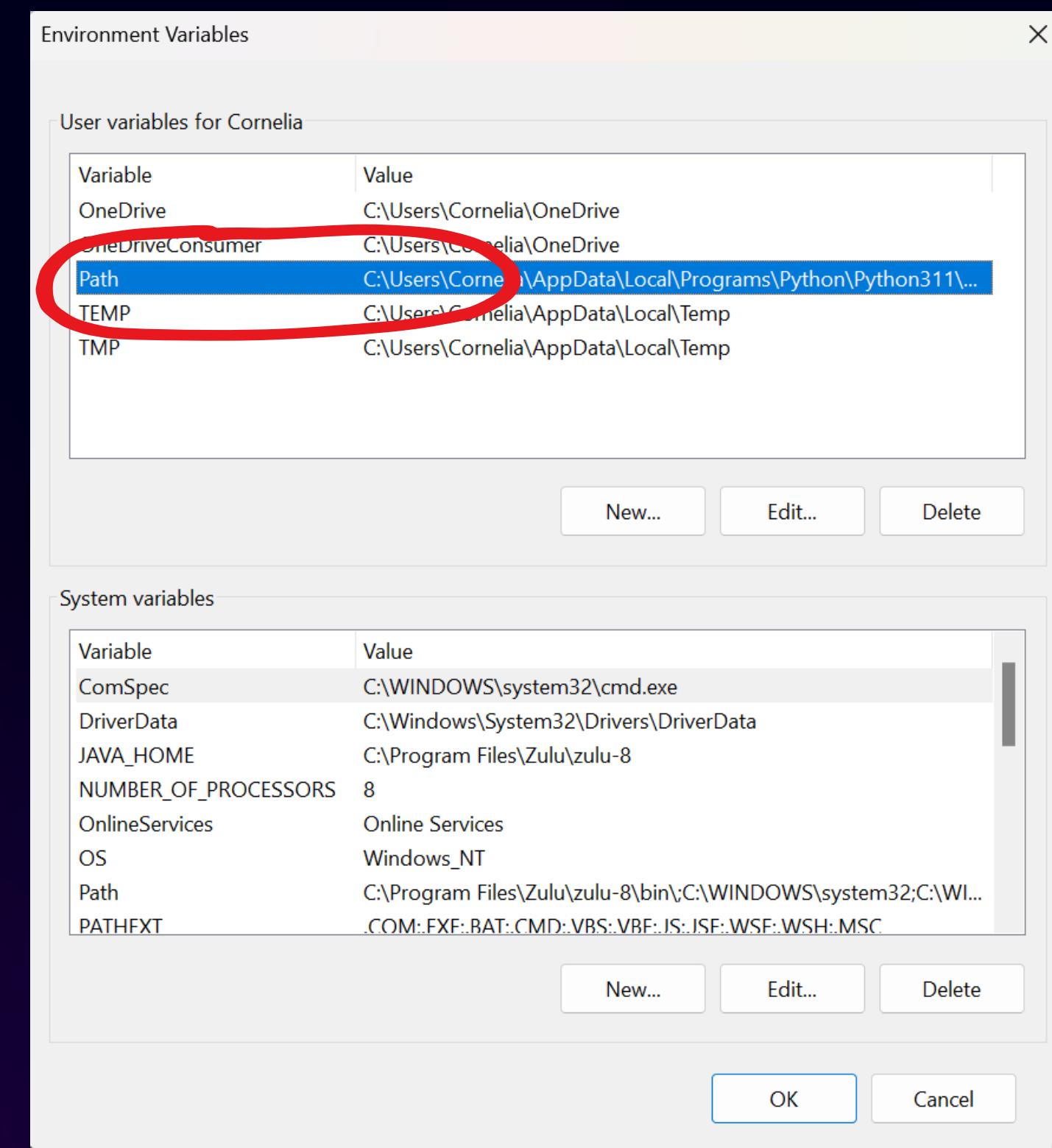
SET UP PATH

7. Pilih Environment Variables



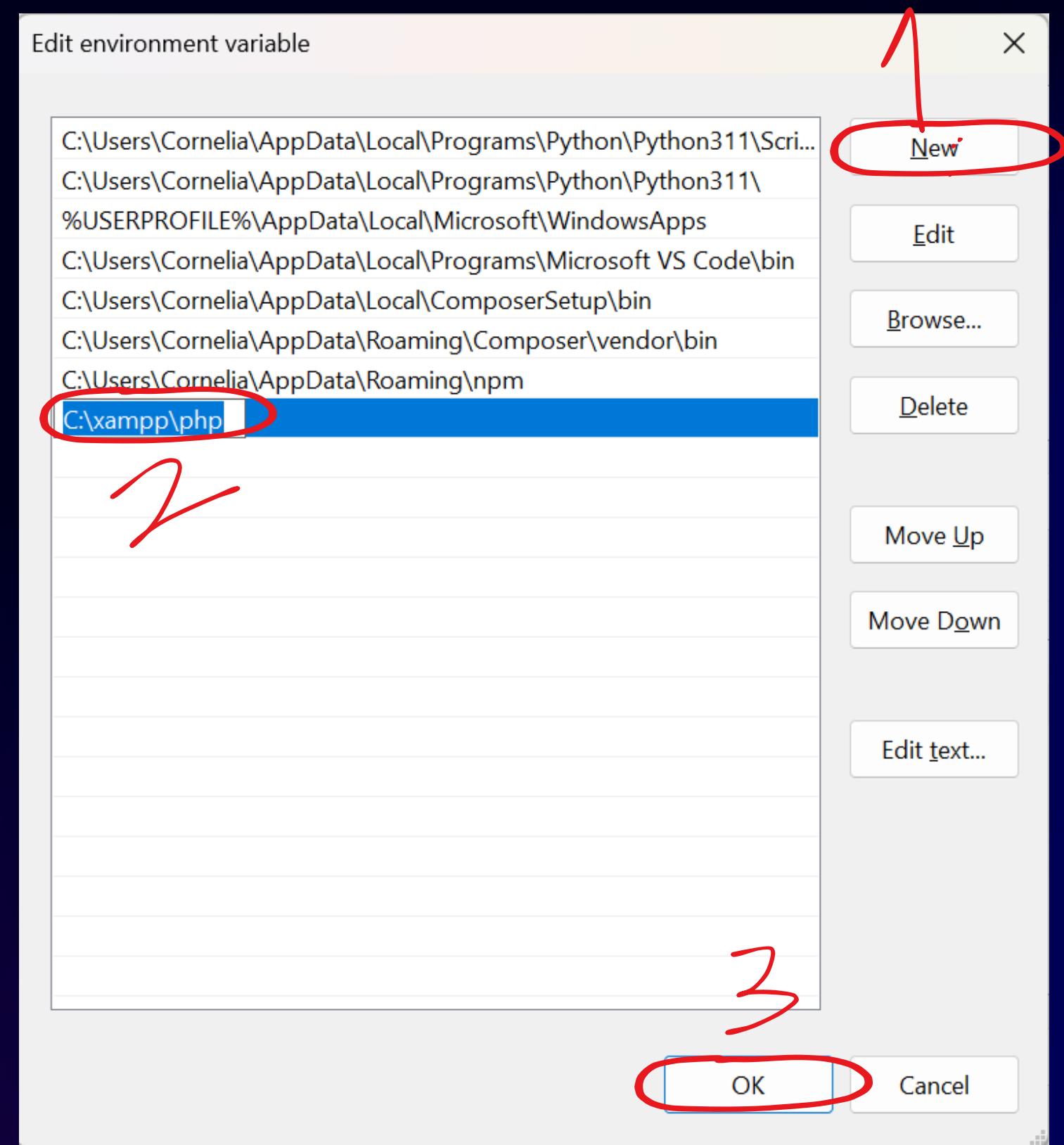
SET UP PATH

7. Pilih Path -> tekan dua kali di bagian path yang ditandai



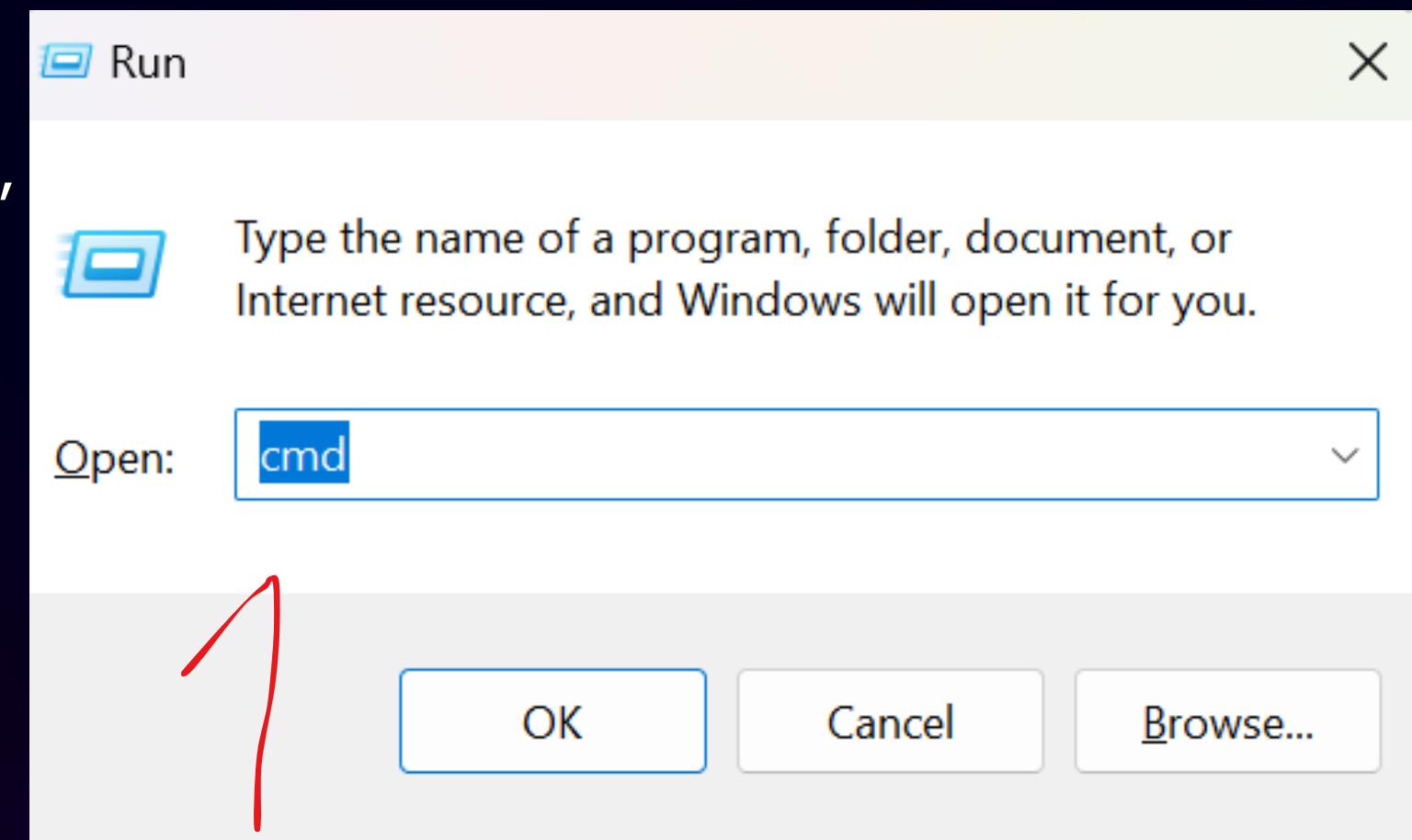
SET UP PATH

1. Tekan 'New' yang dilingkari merah
2. Paste alamat direktori yang kita copy tadi
3. Tekan Ok



CEK VERSI PHP

1. Tekan logo windows + r bersamaan, sampai keluar gambar 1 -> ketik cmd dan tekan ok
2. Ketik php -v di command prompt, jika set up path berhasil maka akan keluar versi php seperti gambar 3



A screenshot of a Windows Command Prompt window. The title bar says 'C:\WINDOWS\system32\cmd.'. The window displays system information: 'Microsoft Windows [Version 10.0.22621.2134]' and '(c) Microsoft Corporation. All rights reserved.' Below this, the command 'C:\Users\Cornelia>php -v' is typed, followed by a red number '2' drawn next to it.

```
C:\WINDOWS\system32\cmd. + 
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Cornelia>php -v
```

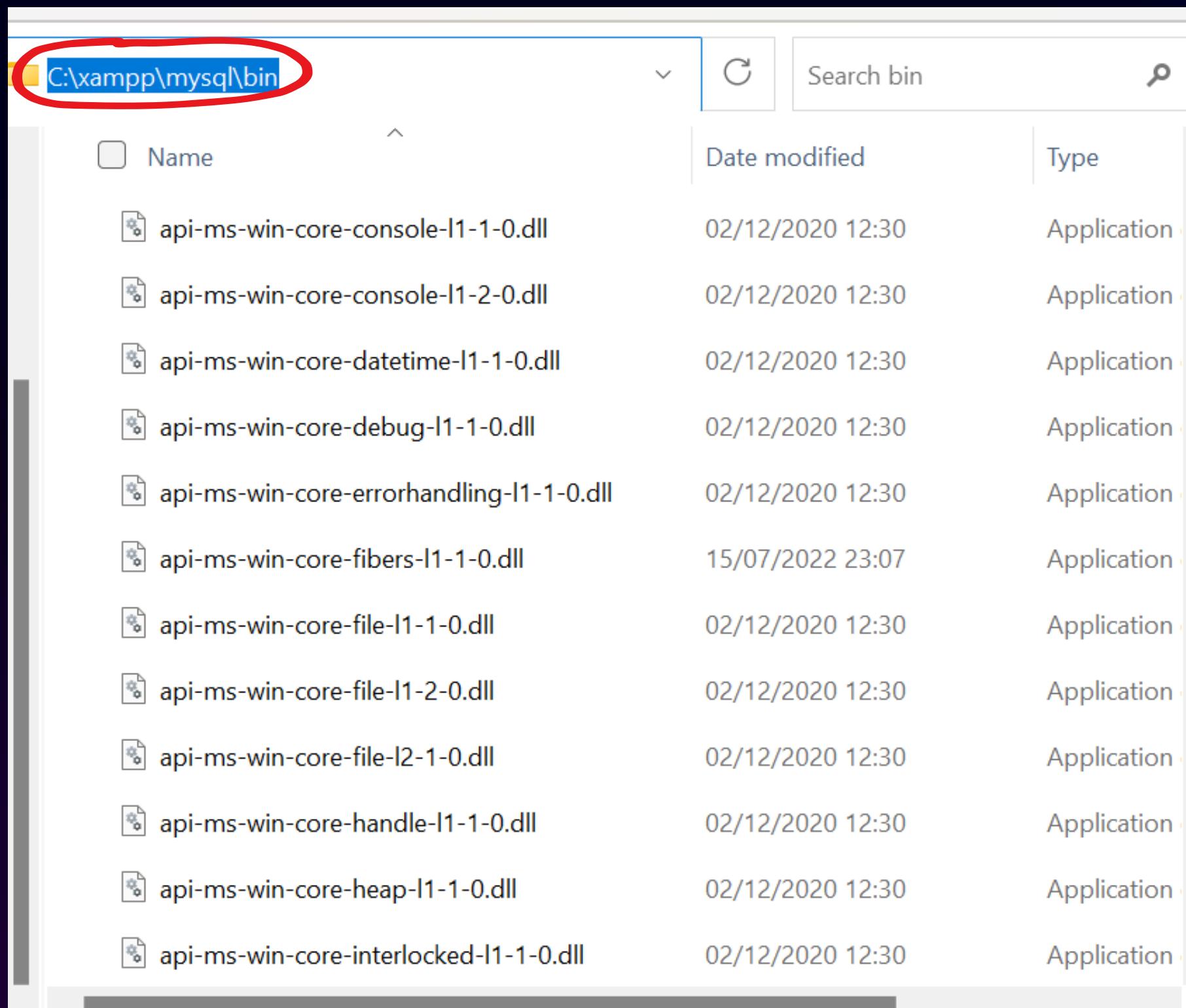
A screenshot of a Windows Command Prompt window. The title bar says 'C:\WINDOWS\system32\cmd.'. The window displays the output of the 'php -v' command: 'PHP 8.1.17 (cli) (built: Mar 14 2023 23:07:43) (ZTS Visual C++ 2019 x64)' and 'Copyright (c) The PHP Group Zend Engine v4.1.17, Copyright (c) Zend Technologies'. A large red number '3' is drawn to the right of the output.

```
C:\WINDOWS\system32\cmd. + 
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Cornelia>php -v
PHP 8.1.17 (cli) (built: Mar 14 2023 23:07:43) (ZTS Visual C++ 2019 x64)
Copyright (c) The PHP Group
Zend Engine v4.1.17, Copyright (c) Zend Technologies
```

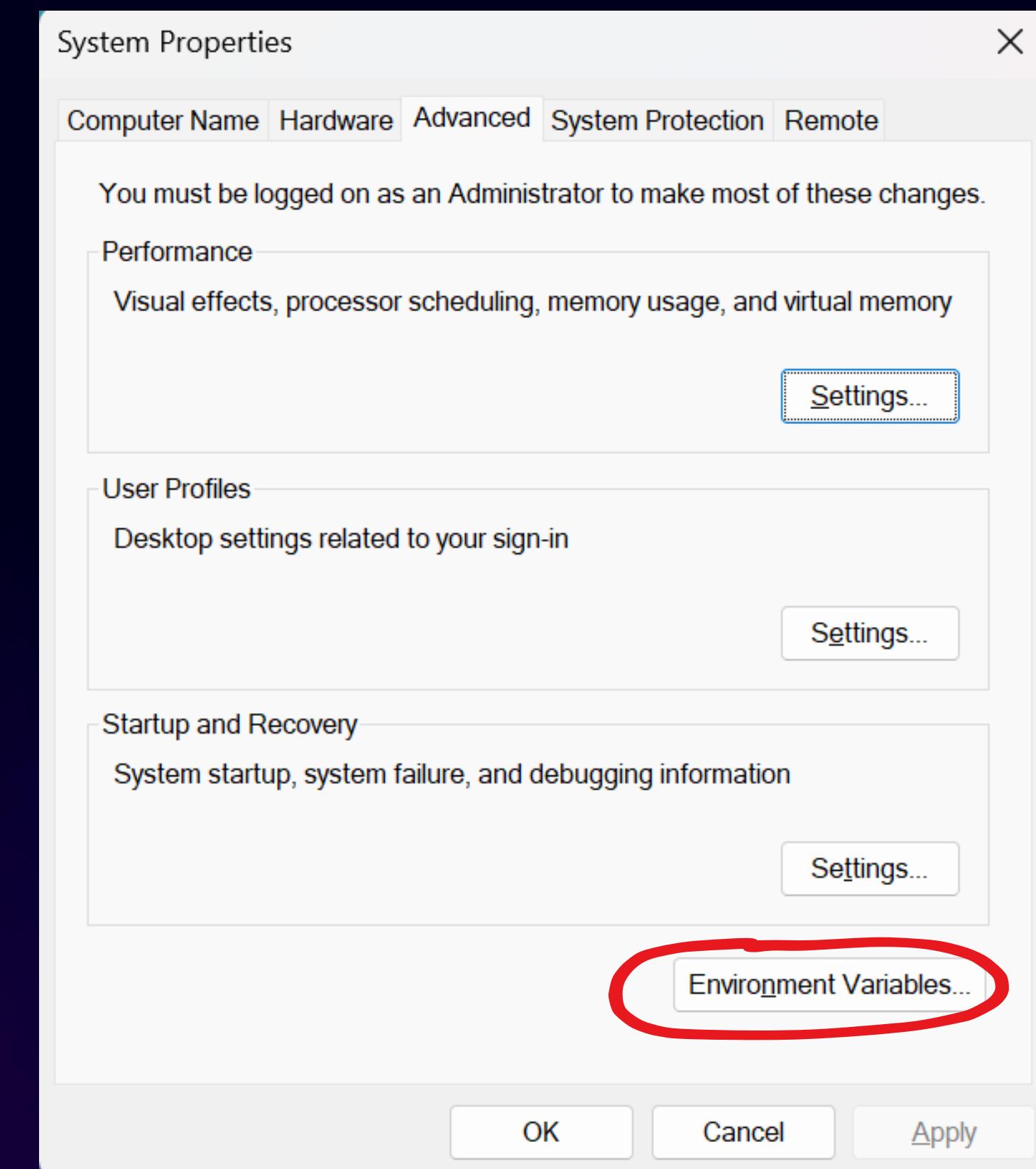
SET UP PATH (2)

1. Buka File explorer -> masuk ke windows (C) / local disk (C)
2. Cari folder xampp -> masuk ke dalam folder xampp
3. Cari folder mysql -> masuk ke dalam folder mysql
4. Cari folder bin -> masuk ke dalam folder bin
5. Copy alamat direktori seperti yang digambar



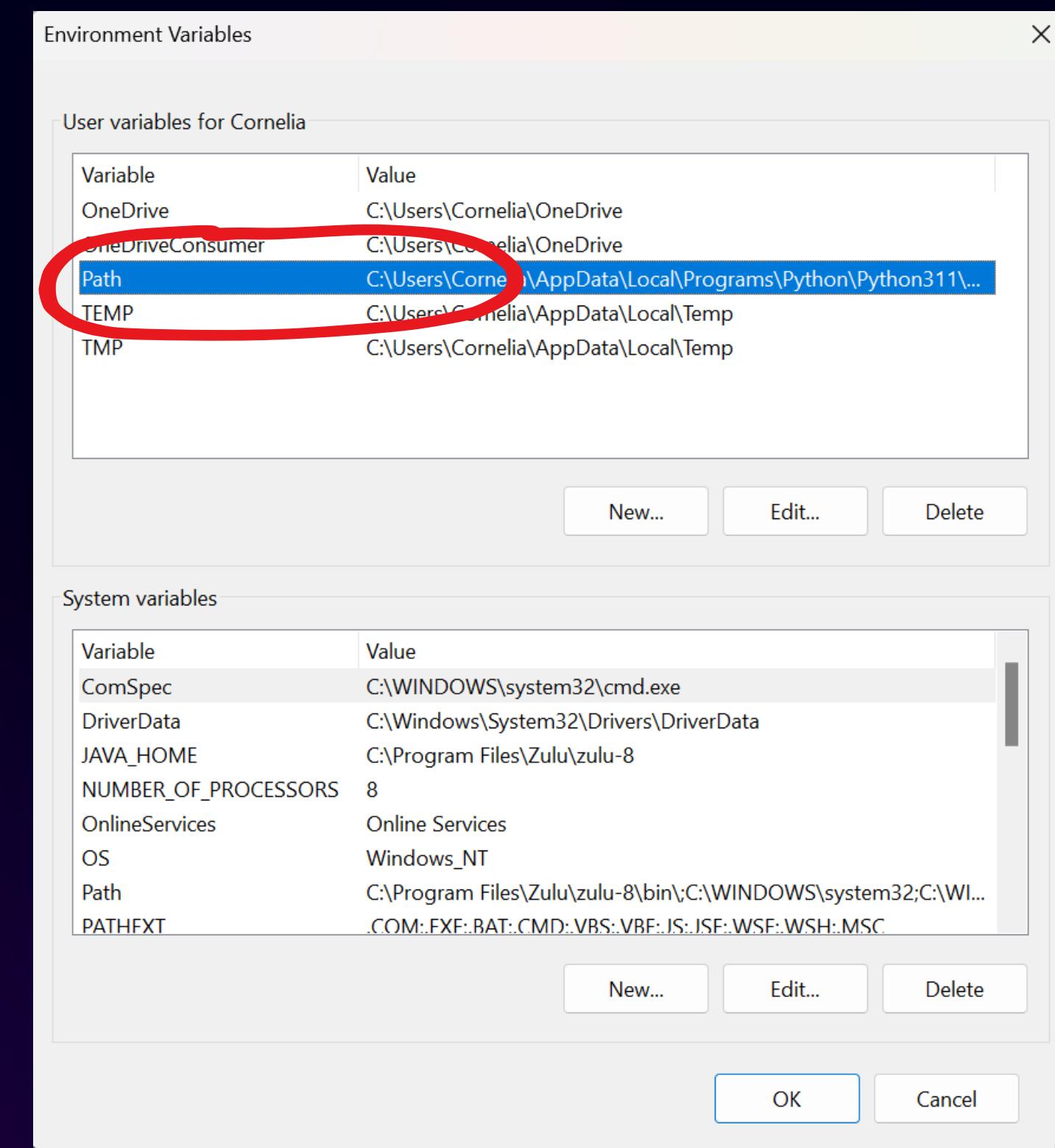
SET UP PATH

6. Pilih Environment Variables



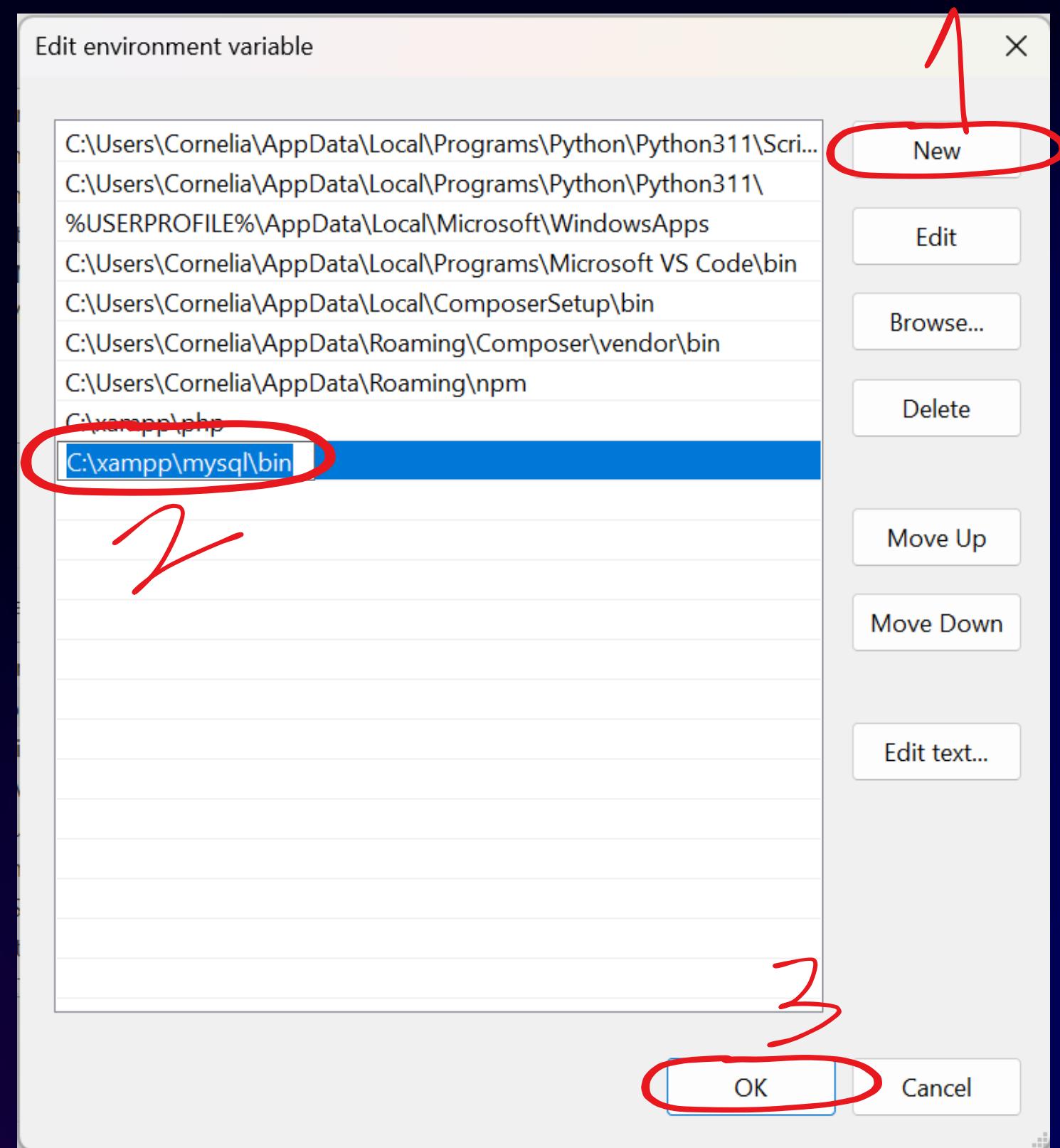
SET UP PATH

7. Pilih Path -> tekan dua kali di bagian path yang ditandai



SET UP PATH

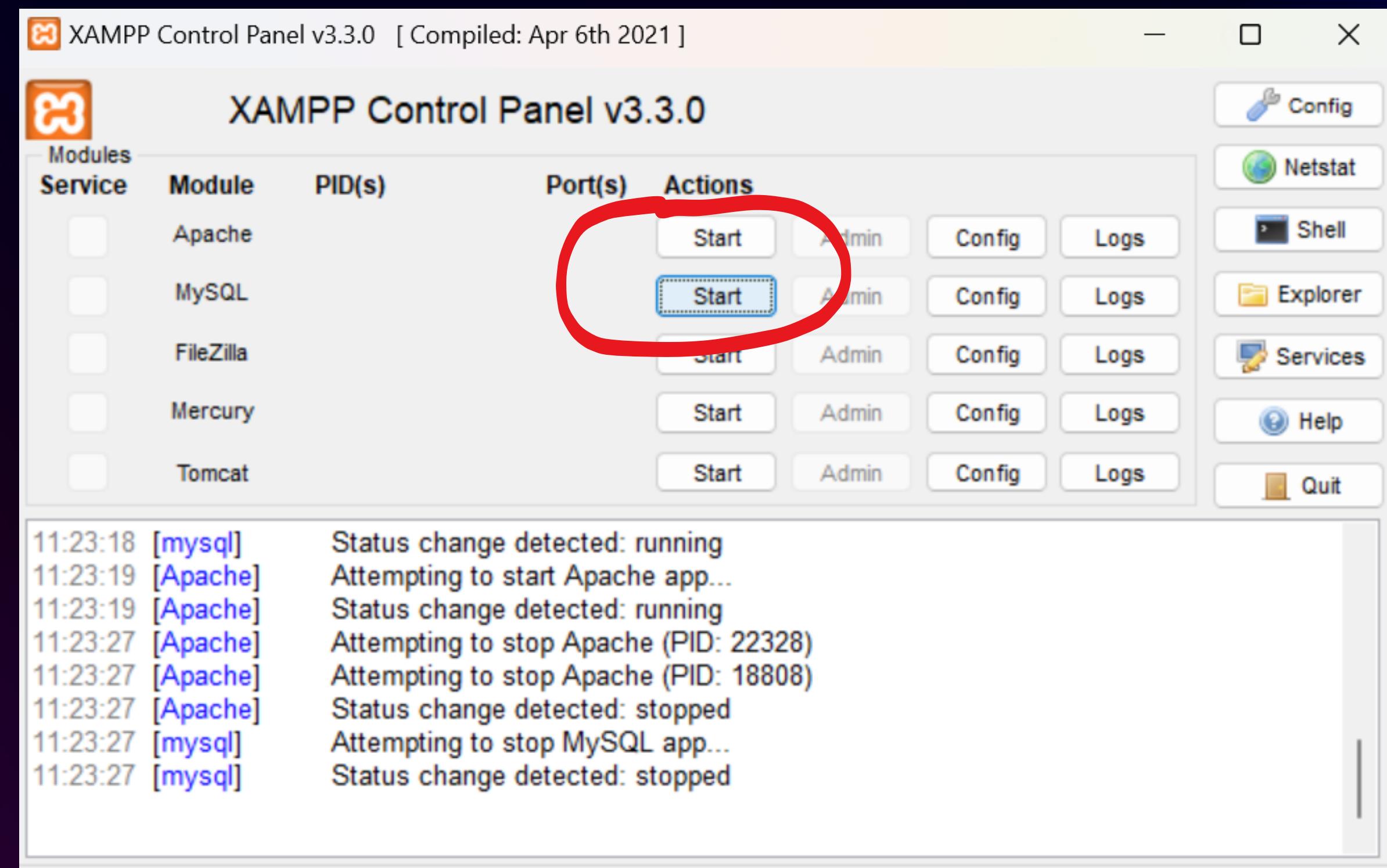
1. Tekan 'New' yang dilingkari merah
2. Paste alamat direktori yang kita copy tadi
3. Tekan Ok



CEK MySQL

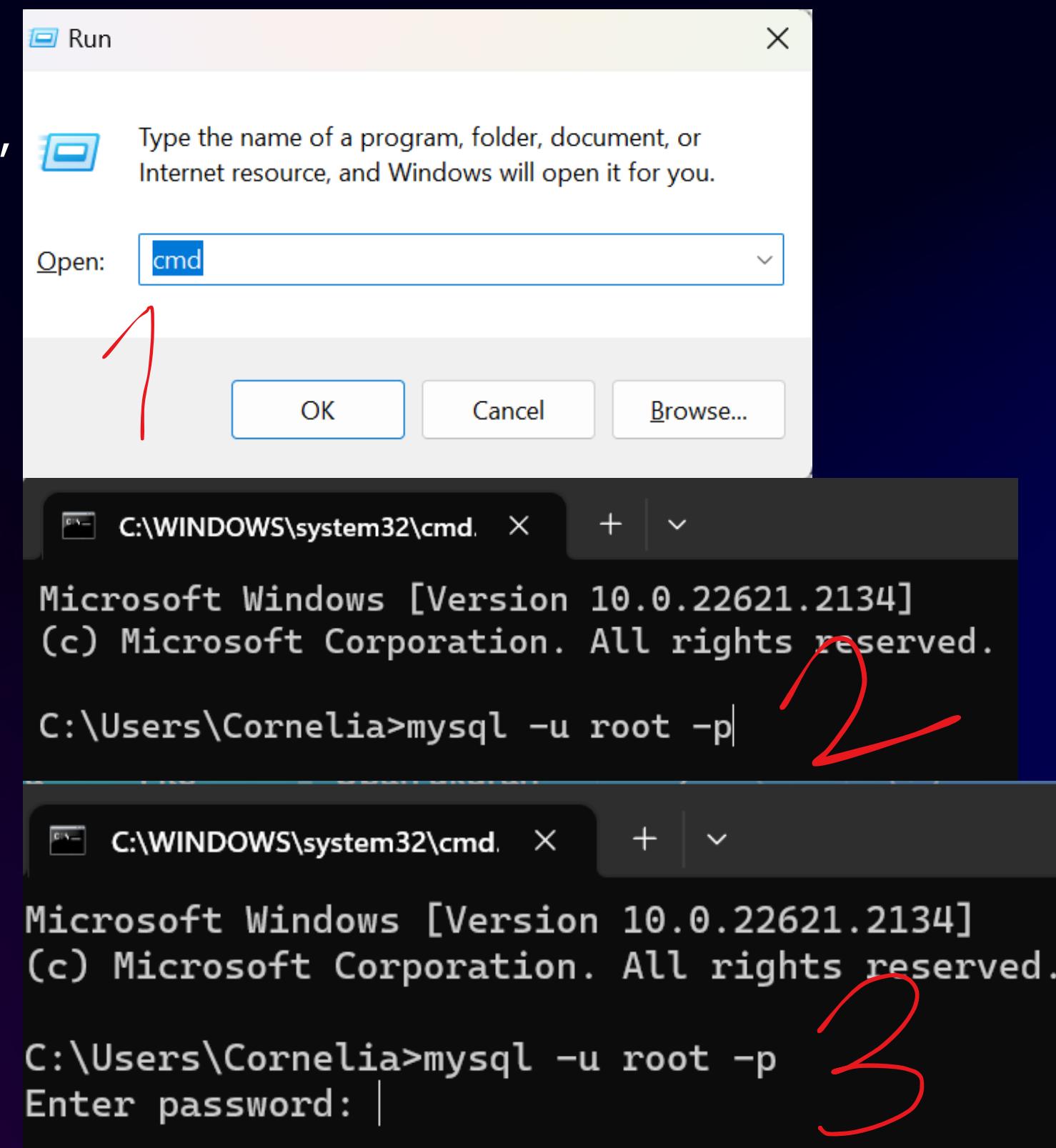
1. Buka XAMPP

2. Tekan start pada bagian Apache dan MySQL yang dilingkari



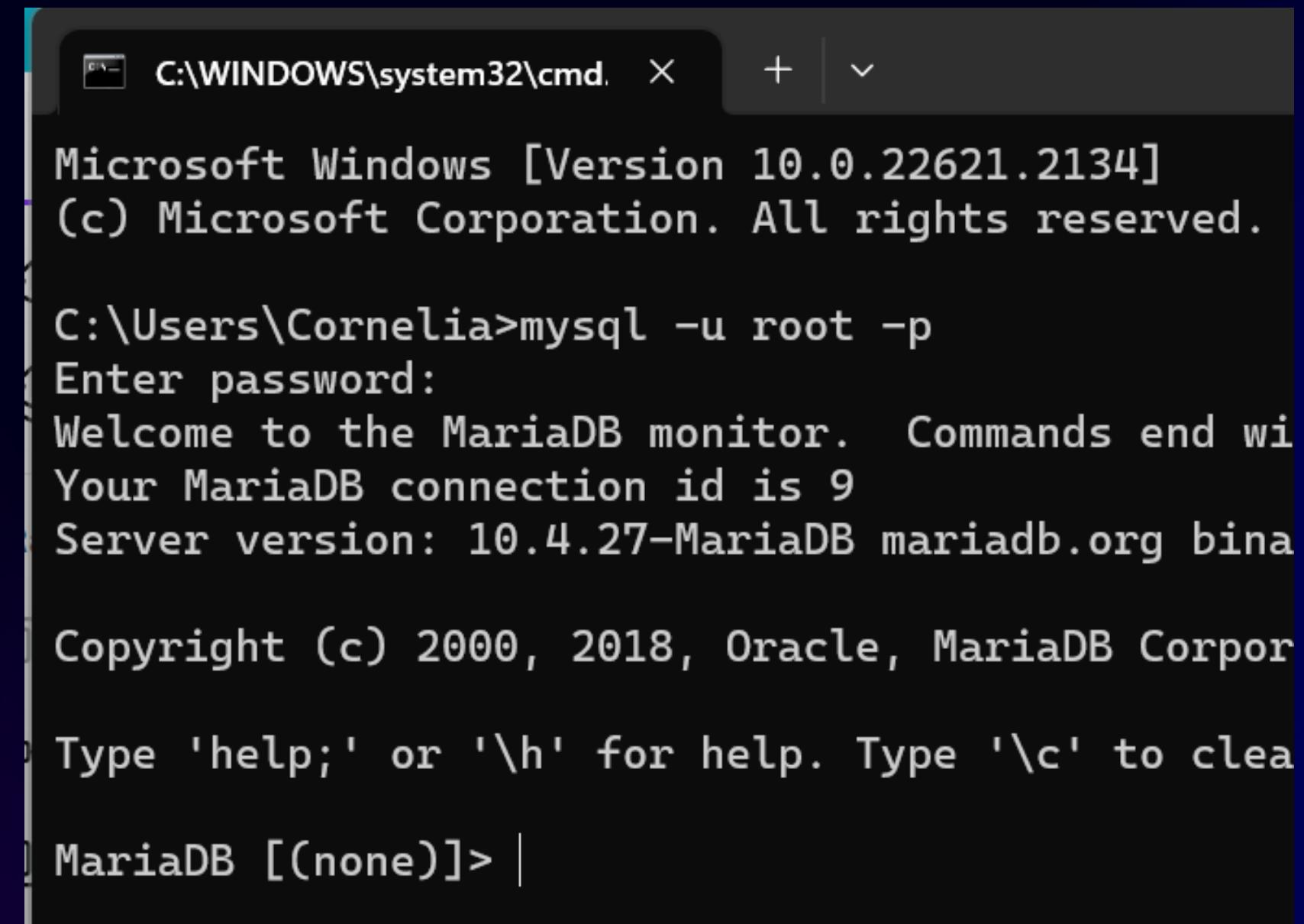
CEK MYSQL

1. Tekan logo windows + r bersamaan, sampai keluar gambar 1 -> ketik cmd dan tekan ok
2. Ketik mysql -u root -p di command prompt, jika set up path berhasil maka akan keluar Enter Password



CEK MYSQL

3. Tekan enter pada keyboard, jika mysql berhasil terpasang maka akan muncul tampilan seperti di samping



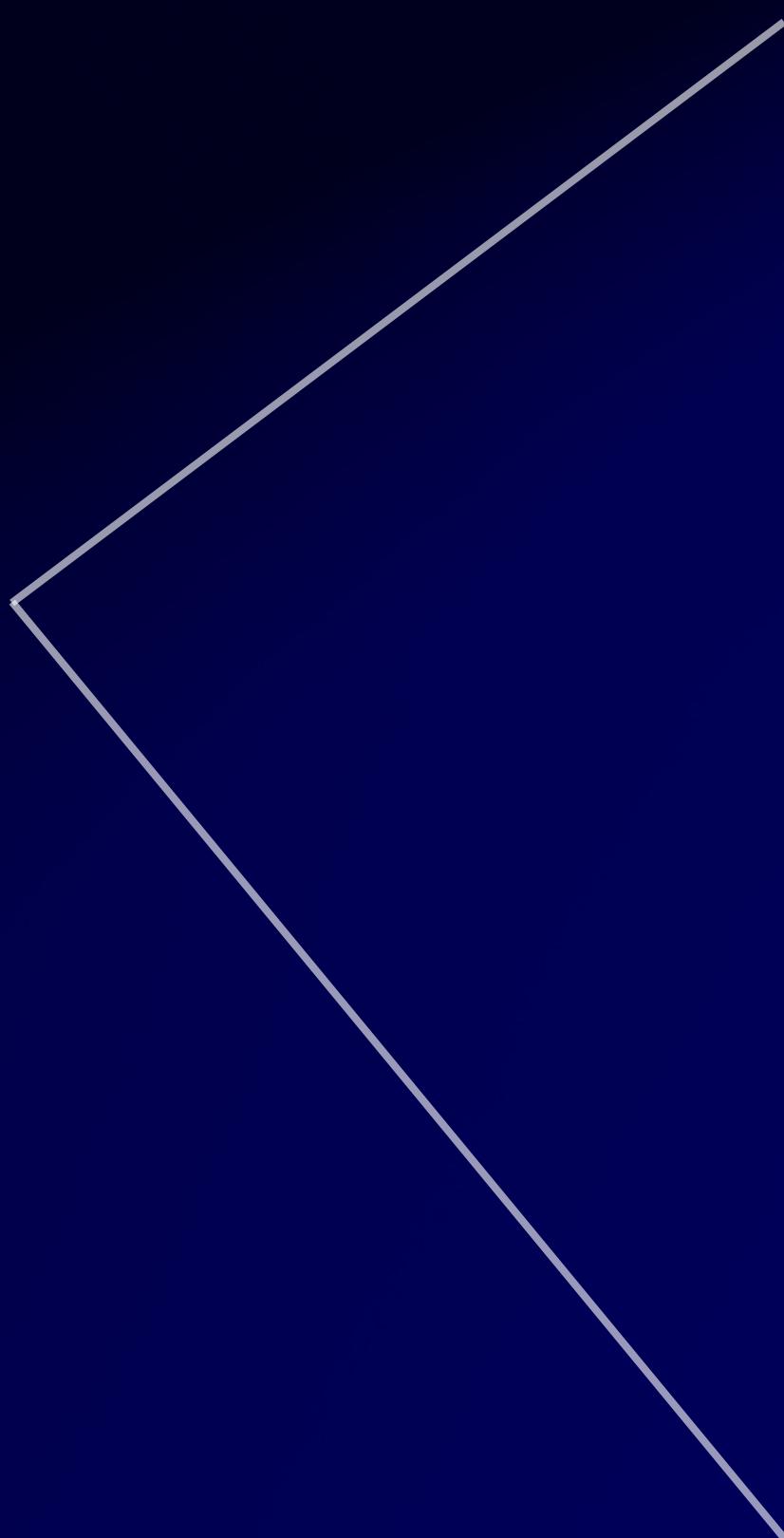
```
C:\WINDOWS\system32\cmd. x + v
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Cornelia>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.27-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation and
its subsidiaries. All rights reserved.

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

MariaDB [(none)]> |
```



Terima Kasih
See you next week!