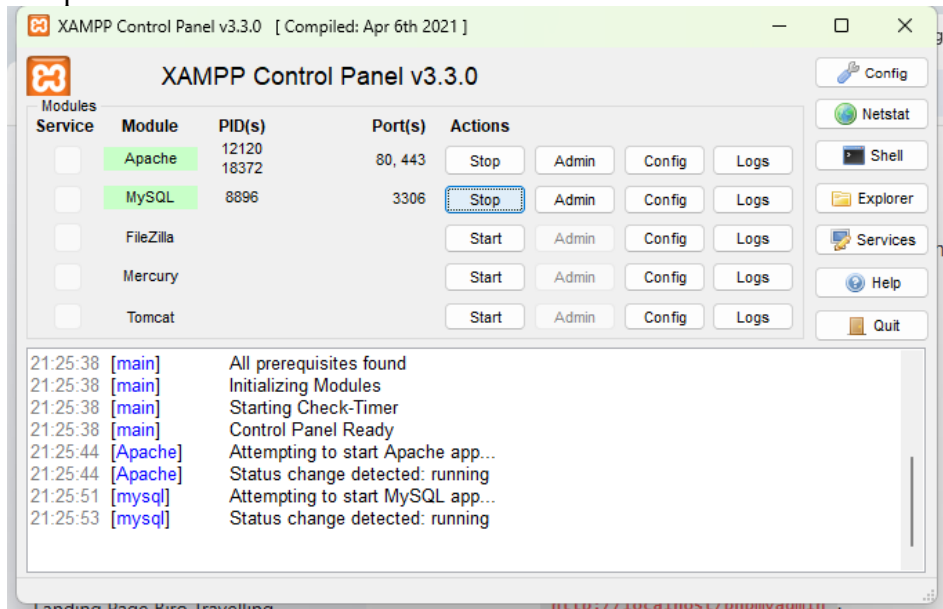


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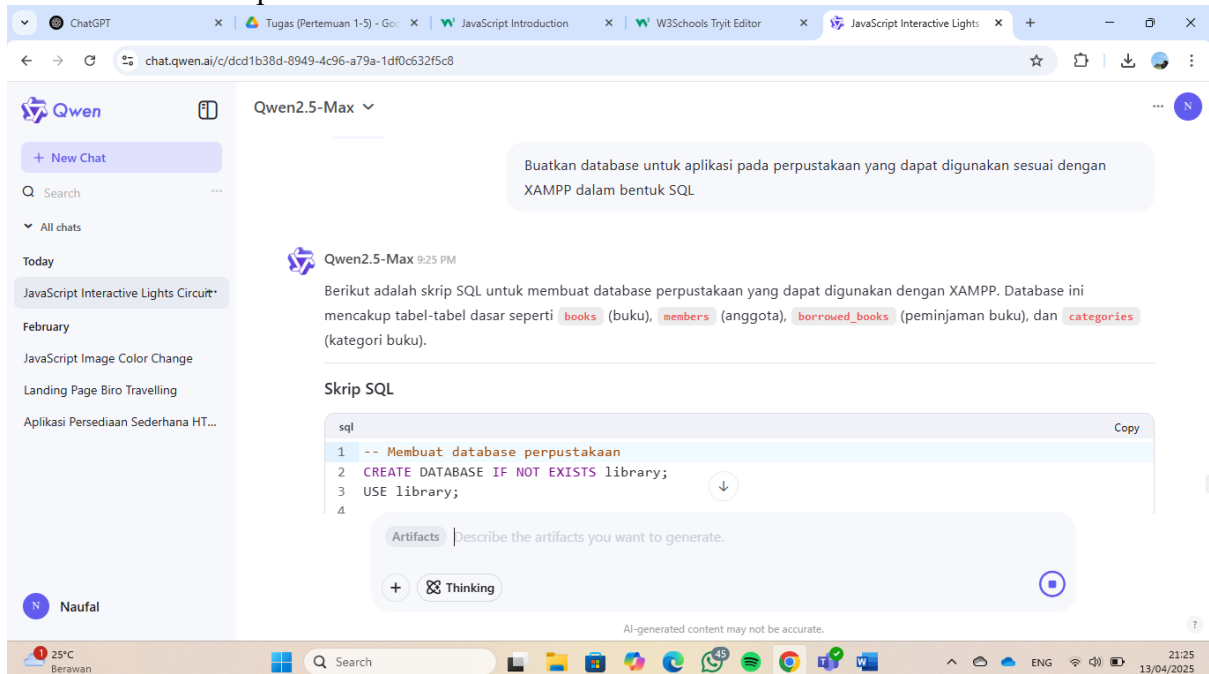
TUGAS PERTEMUAN 3

ERD Database Perpustakaan

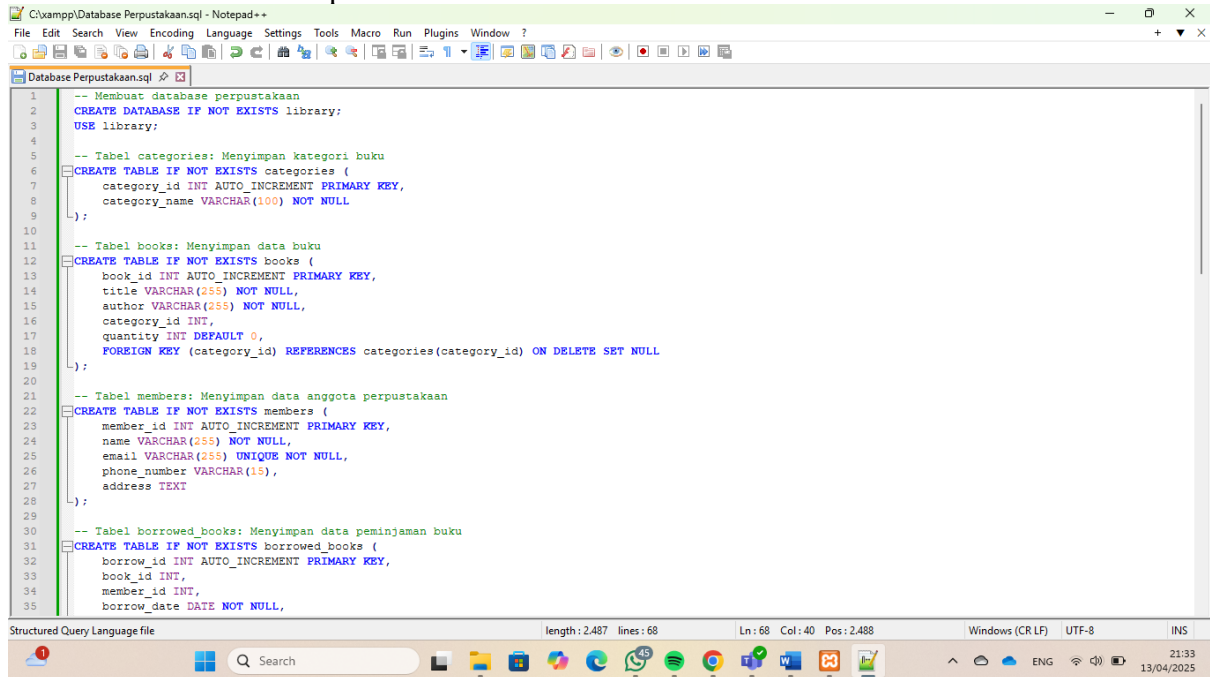
Tampilan Control Panel XAMPP



Memasukkan Prompt untuk Membuat Kode Database



Pindahkan Kode ke Notepad++

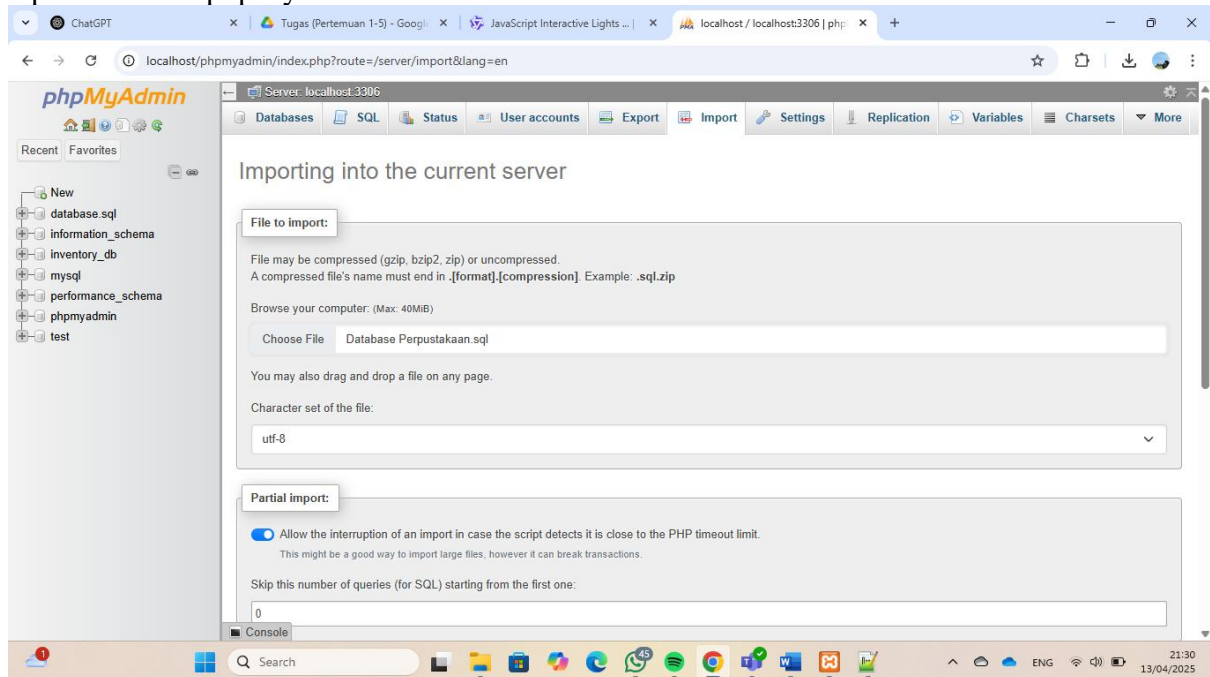


The screenshot shows the Notepad++ editor with a file named 'Database Perpustakaan.sql'. The code is a SQL script to create a database and several tables. The code is as follows:

```
1 -- Membuat database perpustakaan
2 CREATE DATABASE IF NOT EXISTS library;
3 USE library;
4
5 -- Tabel categories: Menyimpan kategori buku
6 CREATE TABLE IF NOT EXISTS categories (
7     category_id INT AUTO_INCREMENT PRIMARY KEY,
8     category_name VARCHAR(100) NOT NULL
9 );
10
11 -- Tabel books: Menyimpan data buku
12 CREATE TABLE IF NOT EXISTS books (
13     book_id INT AUTO_INCREMENT PRIMARY KEY,
14     title VARCHAR(255) NOT NULL,
15     author VARCHAR(255) NOT NULL,
16     category_id INT,
17     quantity INT DEFAULT 0,
18     FOREIGN KEY (category_id) REFERENCES categories(category_id) ON DELETE SET NULL
19 );
20
21 -- Tabel members: Menyimpan data anggota perpustakaan
22 CREATE TABLE IF NOT EXISTS members (
23     member_id INT AUTO_INCREMENT PRIMARY KEY,
24     name VARCHAR(255) NOT NULL,
25     email VARCHAR(255) UNIQUE NOT NULL,
26     phone_number VARCHAR(15),
27     address TEXT
28 );
29
30 -- Tabel borrowed_books: Menyimpan data peminjaman buku
31 CREATE TABLE IF NOT EXISTS borrowed_books (
32     borrow_id INT AUTO_INCREMENT PRIMARY KEY,
33     book_id INT,
34     member_id INT,
35     borrow_date DATE NOT NULL,
```

The status bar at the bottom indicates the file is a 'Structured Query Language file' with a length of 2,487 characters and 68 lines. The cursor is at line 68, column 40, position 2,488. The window title is 'Database Perpustakaan.sql - Notepad++'.

Upload File ke phpMyAdmin



Impor File Tersebut ke Database SQL

The screenshot shows the phpMyAdmin interface with the 'Import' tab selected. The 'Import has been successfully finished, 10 queries executed. (Database Perpustakaan.sql)' message is displayed. The SQL queries executed are:

```
-- Membuat database perpustakaan CREATE DATABASE IF NOT EXISTS library;
```

```
USE library;
```

```
-- Tabel categories: Menyimpan kategori buku CREATE TABLE IF NOT EXISTS categories ( category_id INT AUTO_INCREMENT PRIMARY KEY, category_name VARCHAR(100) NOT NULL );
```

The console shows the following messages:

- MySQL returned an empty result set (i.e. zero rows). (Query took 0.0014 seconds.)
- Error: #1046 No database selected
- MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)
- Error: #1046 No database selected
- MySQL returned an empty result set (i.e. zero rows). (Query took 0.0090 seconds.)
- MySQL returned an empty result set (i.e. zero rows). (Query took 0.0252 seconds.)

Berikut Tampilannya

The screenshot shows the phpMyAdmin interface with the 'Table: books' selected. The 'Showing rows 0 - 4 (5 total, Query took 0.0006 seconds.)' message is displayed. The SQL query executed is:

```
SELECT * FROM `books`
```

The table data is as follows:

book_id	title	author	category_id	quantity
1	The Great Gatsby	F. Scott Fitzgerald	1	5
2	A Brief History of Time	Stephen Hawking	2	3
3	Clean Code	Robert C. Martin	4	7
4	The Origin of Species	Charles Darwin	3	2
5	Sapiens: A Brief History of Humankind	Yuval Noah Harari	5	4