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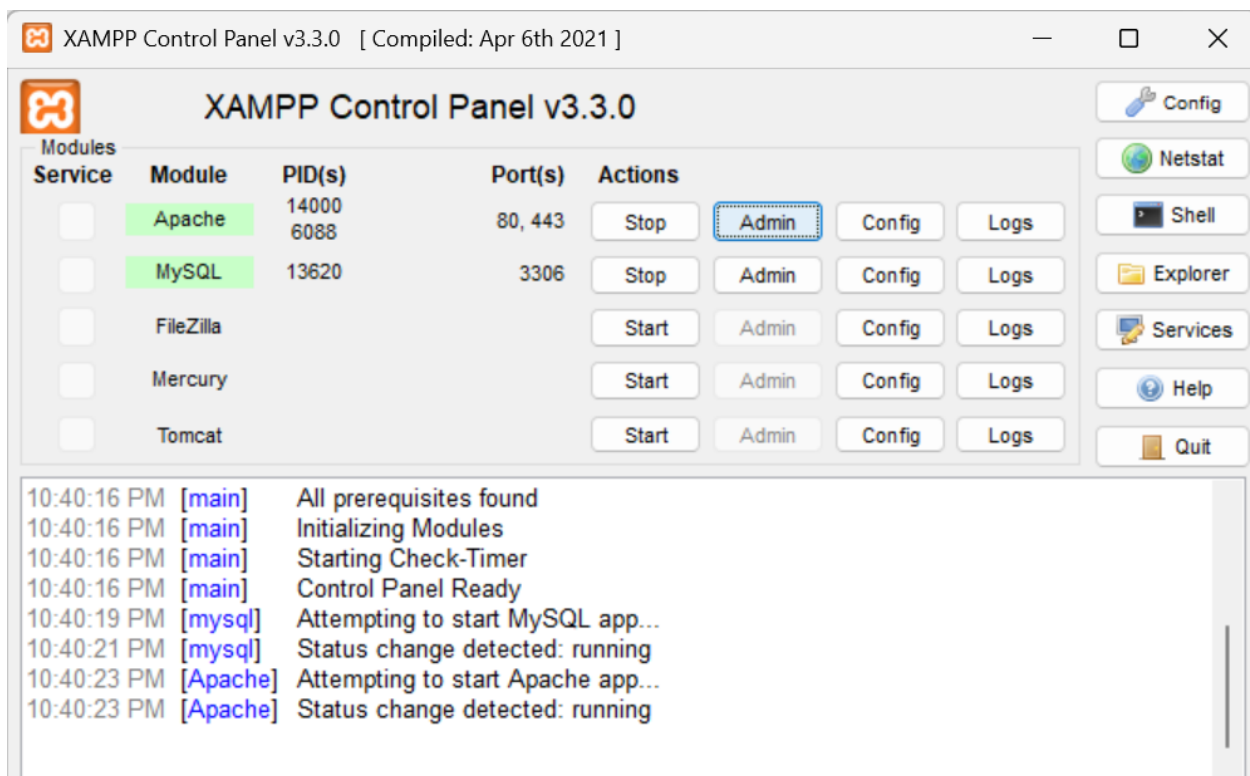
TUGAS

DATABASE PERPUSTAKAAN

1. Kirim prompt “buatkan script sistem perpustakaan lengkap dengan erd, database, dan struktur tabel dari databasenya menggunakan sql dan php” ke GPT

Buat script sistem perpustakaan lengkap dengan erd, database, dan struktur tabel dari databasenya menggunakan sql dan php

2. Klik “Start” pada Apache dan MySQL



3. Buat struktur folder sesuai dengan arahan yang diberikan GPT pada folder htdocs

Struktur Folder PHP

```
arduino Copy Edit

/perpustakaan
|
├─ config.php
├─ index.php
├─ tambah_anggota.php
├─ tambah_buku.php
├─ pinjam.php
├─ list_peminjaman.php
```

File Explorer view of the directory structure:

Name	Date modified	Type	Size
config	4/15/2025 10:50 PM	PHP Source File	1 KB
list_peminjaman	4/15/2025 10:52 PM	Text Document	1 KB
pinjam	4/15/2025 10:52 PM	PHP Source File	2 KB
tambah_anggota	4/15/2025 10:50 PM	Text Document	1 KB
tambah_buku	4/15/2025 10:51 PM	PHP Source File	1 KB

4. Copy paste kode PHP dan css ke Notepad++ dan simpan sesuai dengan strukturnya

```
C:\xampp\htdocs\perpustakaan\list_peminjaman.txt - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

list_peminjaman.txt
1 <?php
2 include 'config.php';
3
4 $query = "SELECT p.id_peminjaman, a.nama, p.tanggal_pinjam, p.tanggal_kembali
5         FROM peminjaman p
6         JOIN anggota a ON p.id_anggota = a.id_anggota";
7
8 $result = mysqli_query($conn, $query);
9
10 while ($row = mysqli_fetch_assoc($result)) {
11     echo "<h3>Peminjaman #{$row['id_peminjaman']} oleh {$row['nama']}</h3>";
12     echo "Tanggal Pinjam: {$row['tanggal_pinjam']}<br>";
13     echo "Tanggal Kembali: {$row['tanggal_kembali']}<br>";
14
15     $id = $row['id_peminjaman'];
16     $detail = mysqli_query($conn, "SELECT b.judul, d.jumlah
17     FROM detail_peminjaman d
18     JOIN buku b ON d.id_buku = b.id_buku
19     WHERE d.id_peminjaman = $id");
20
21     echo "<ul>";
22     while ($d = mysqli_fetch_assoc($detail)) {
23         echo "<li>{$d['judul']} - {$d['jumlah']} buku</li>";
24     }
25     echo "</ul><hr>";
26 }
27 <?>
```

5. Buat database di PHPMyAdmin

The screenshot displays the PHPMyAdmin web interface. On the left, a sidebar shows a tree view of databases, with 'perustakaan' selected and expanded to show its tables: 'anggota', 'buku', 'detail_peminjaman', and 'peminjaman'. The main panel shows the 'Structure' tab for the 'perustakaan' database. It lists four tables with their respective actions (Browse, Structure, Search, Insert, Empty, Drop) and details like engine (InnoDB), collation (utf8mb4_general_ci), size, and overhead. A summary row at the bottom indicates 4 tables with a total size of 112.0 KiB. Below the table list, there are options to 'Check all' and 'With selected:'. At the bottom, a 'Create new table' button is visible, along with input fields for 'Table name' and 'Number of columns'.

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> anggota		0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> buku		0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> detail_peminjaman		0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> peminjaman		0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
4 tables	Sum		0 InnoDB	utf8mb4_general_ci	112.0 KiB	0 B

↑ ☐ Check all With selected: ▼

Table name: _____ Number of columns: _____

Console: _____