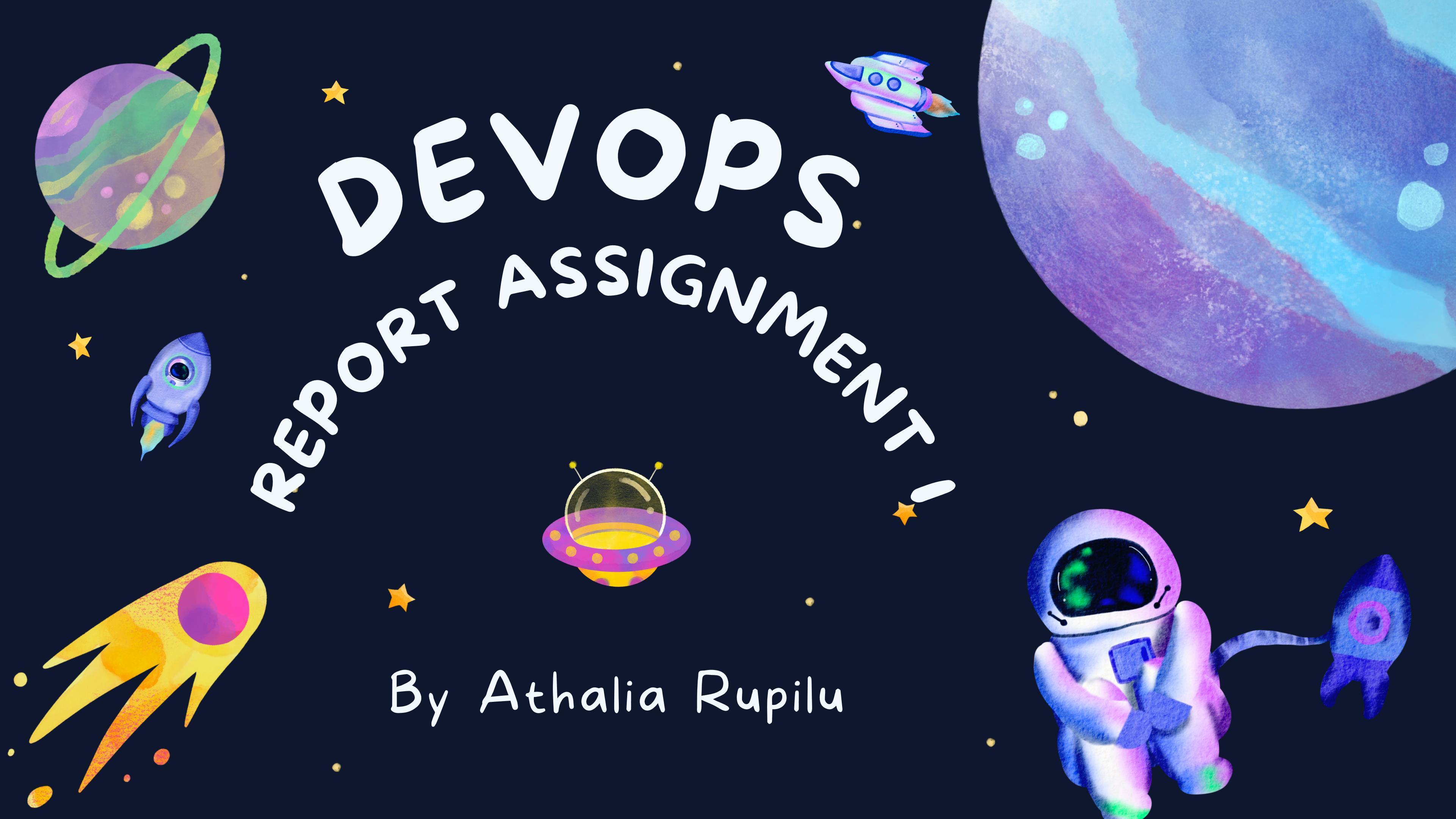


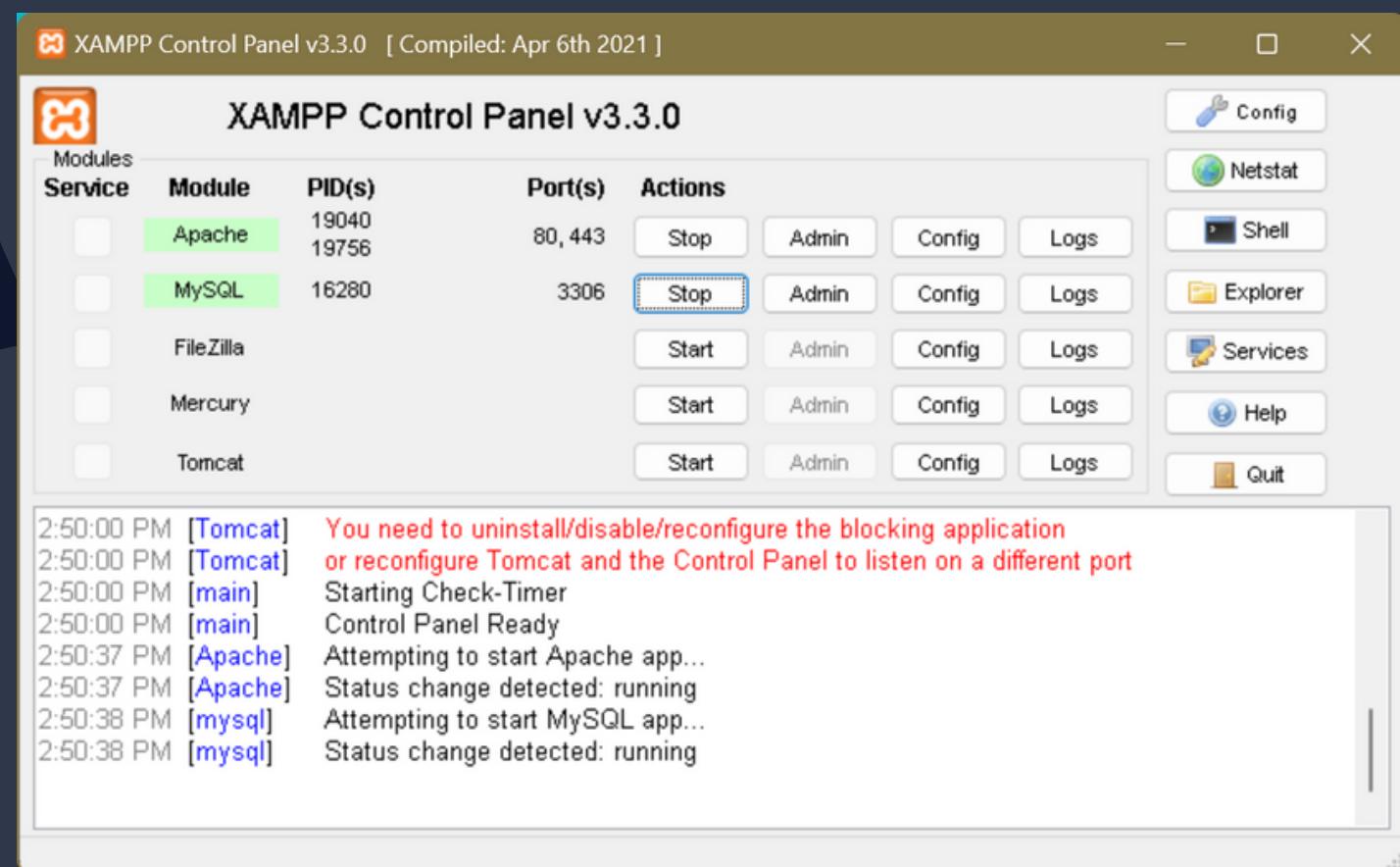
DEVOPS REPORT ASSIGNMENT!

By Athalia Rupilu



Start services & sign in di PHPMyAdmin

- Open Xampp and start apache & mysql, after that click admin on the mysql section
- log in using 'root' as the username and '12345' as the password



Create a new database and insert tables

database name : db_unklab

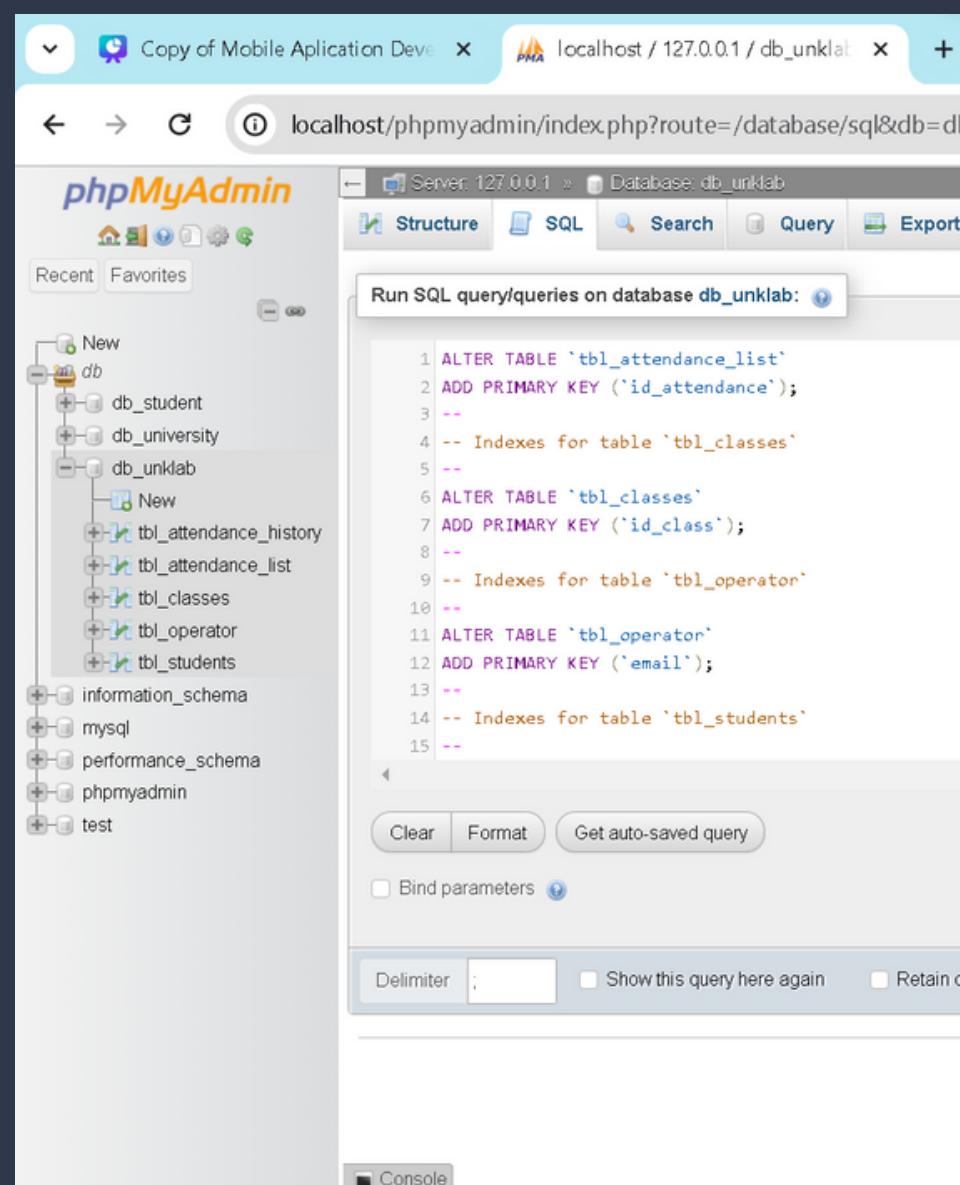
tables name :

- `tbl_attendance_history`
- `tbl_attendance_list`
- `tbl_classes`
- `tbl_operator`
- `tbl_students`

id_class	id_attendance	email_student	name_subject	email_lecturer	student_lat	student_long	distance	time_take_attendance	st	timestamp	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s354321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	10	10:15:49	P	2023-10-10 10:15:49	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s154321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	16	10:00:49	P	2023-10-10 10:00:49	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s254321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	12	10:05:49	P	2023-10-10 10:05:49	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s354321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	20	10:08:49	P	2023-10-10 10:08:49	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s454321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	15	10:20:49	P	2023-10-10 10:20:49	
CLASS643ac4d56e4a8	ATD745ac4d56e4b7	s554321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	6	10:30:49	P	2023-10-10 10:30:49	
Console	c4d56e4a8	ATD745ac4d56e4b7	s644321@student.unklab.ac.id	Artificial Intelligence	semmy@unklab.ac.id	1,239484	124,348583	7	10:45:49	P	2023-10-10 10:45:49

Adding Primary Key in Tables

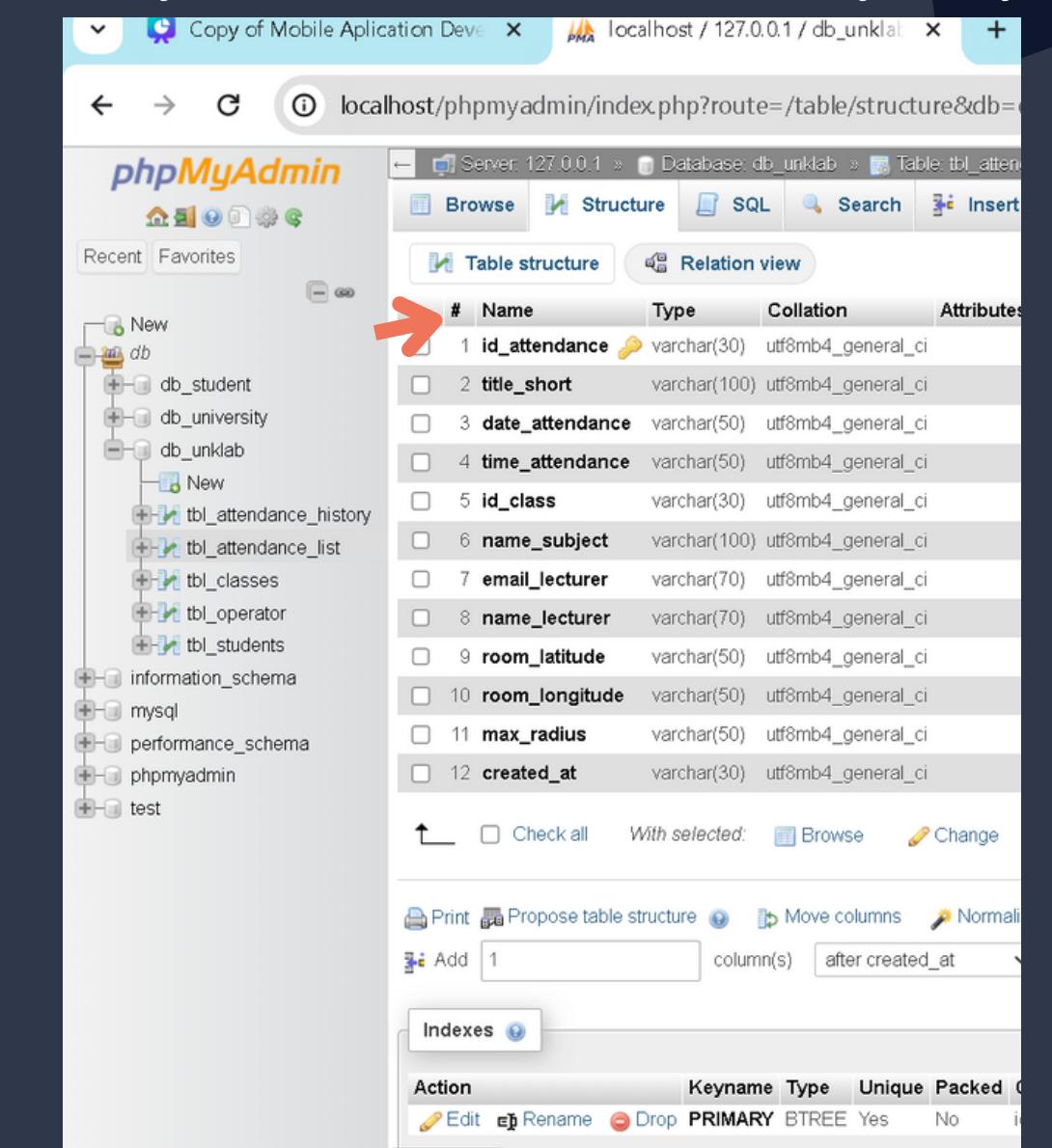
Don't forget to make sure that the primary key is already done by checking each tables that you've added primary key



The screenshot shows the phpMyAdmin interface for the database 'db_unklab'. In the left sidebar, the 'Structure' tab is selected. In the main area, there is a 'Run SQL query/queries on database db_unklab:' input field containing the following SQL code:

```
1 ALTER TABLE `tbl_attendance_list`  
2 ADD PRIMARY KEY ('id_attendance');  
3 --  
4 -- Indexes for table 'tbl_classes'  
5 --  
6 ALTER TABLE `tbl_classes`  
7 ADD PRIMARY KEY ('id_class');  
8 --  
9 -- Indexes for table 'tbl_operator'  
10 --  
11 ALTER TABLE `tbl_operator`  
12 ADD PRIMARY KEY ('email');  
13 --  
14 -- Indexes for table 'tbl_students'  
15 --
```

Below the code, there are buttons for 'Clear', 'Format', 'Get auto-saved query', 'Bind parameters', 'Delimiter', 'Show this query here again', and 'Retain query'.



The screenshot shows the phpMyAdmin interface for the database 'db_unklab'. In the left sidebar, the 'Structure' tab is selected. In the main area, the 'Table structure' section displays the columns of the 'tbl_attendance_list' table. A red arrow points to the first column, 'id_attendance', which is highlighted in blue, indicating it is the primary key. The table structure is as follows:

#	Name	Type	Collation	Attributes
1	id_attendance	varchar(30)	utf8mb4_general_ci	
2	title_short	varchar(100)	utf8mb4_general_ci	
3	date_attendance	varchar(50)	utf8mb4_general_ci	
4	time_attendance	varchar(50)	utf8mb4_general_ci	
5	id_class	varchar(30)	utf8mb4_general_ci	
6	name_subject	varchar(100)	utf8mb4_general_ci	
7	email_lecturer	varchar(70)	utf8mb4_general_ci	
8	name_lecturer	varchar(70)	utf8mb4_general_ci	
9	room_latitude	varchar(50)	utf8mb4_general_ci	
10	room_longitude	varchar(50)	utf8mb4_general_ci	
11	max_radius	varchar(50)	utf8mb4_general_ci	
12	created_at	varchar(30)	utf8mb4_general_ci	

At the bottom, there are buttons for 'Print', 'Propose table structure', 'Move columns', 'Indexes', 'Add', 'Edit', 'Rename', 'Drop', 'Keyname', 'Type', 'Unique', 'Packed', and 'Action'.

Adding data in Tables

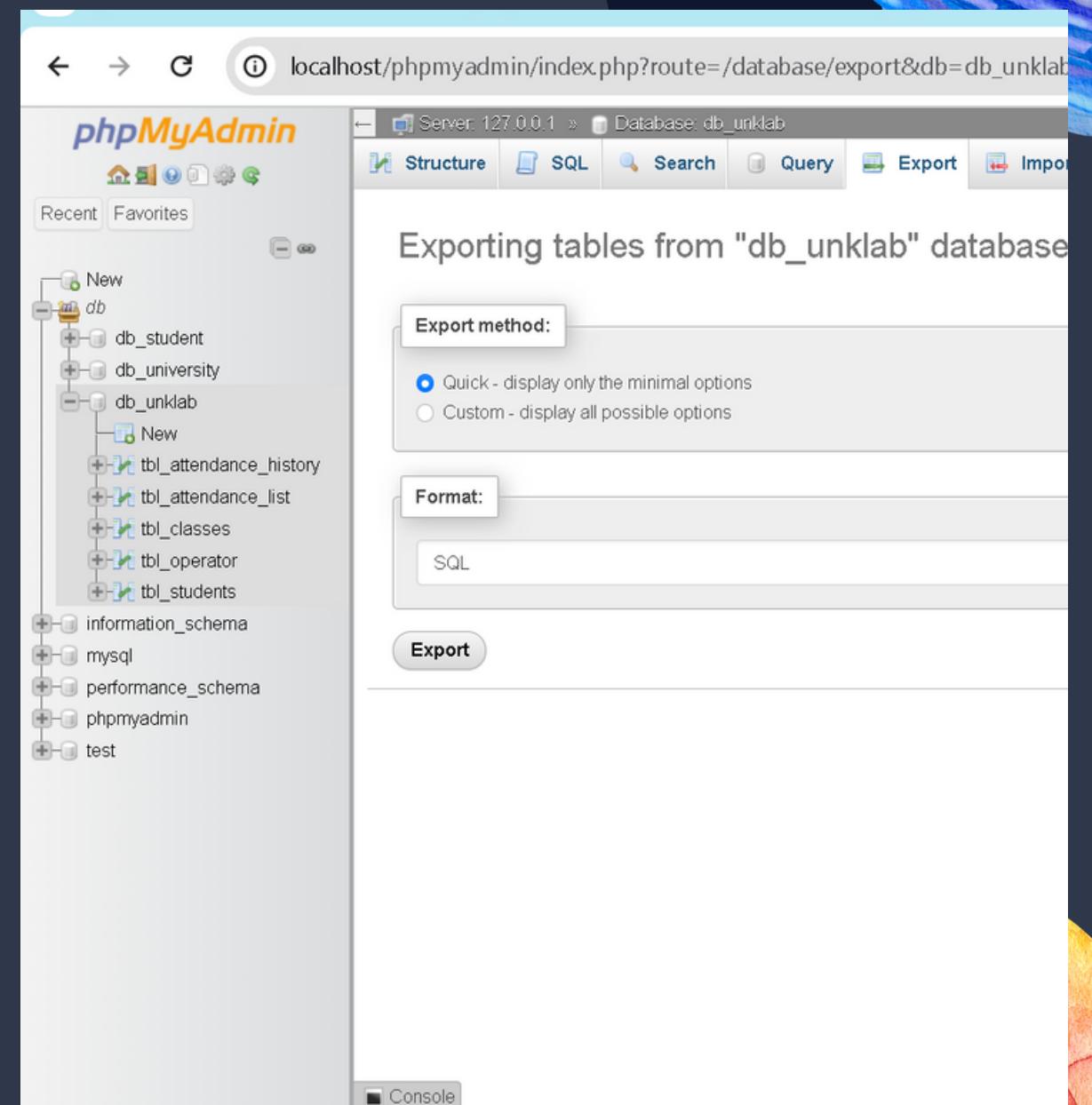
Click the chosen table, click SQL button and input the data

The screenshot shows the phpMyAdmin interface with the following details:

- Database:** db_unklab
- Table:** tbl_students
- SQL Tab:** Active
- Query:** Run SQL query/queries on table db_unklab.tbl_students:
The query contains 8 INSERT statements for the 'tbl_students' table, each with a unique reg_number and nim_number, and various email, fullname, password, created_at, and updated_at values.
- Column List:** A sidebar on the right lists the columns: reg_number, nim_number, email, fullname, password, created_at, and updated_at.
- Buttons:** SELECT*, SELECT, INSERT, UPDATE, DELETE, Clear, Format, Go, Delimiter :, Show this query here again, Retain query box, Rollback when finished, Enable foreign key checks.

Backup Database MySQL

- 1) Buka PHPMyAdmin: Akses halaman PHPMyAdmin melalui bro
- 2) Pilih Database: Setelah masuk, pilih database yang ingin di backup dari panel kiri. Jika tidak ada database yang terlihat, pastikan telah membuat dan mengimpor database sebelumnya.
- 3) Pilih Tab "Export": Di bagian atas antarmuka PHPMyAdmin, temukan tab "Export" dan klik. Ini secara otomatis akan diarahkan ke halaman eksport database.

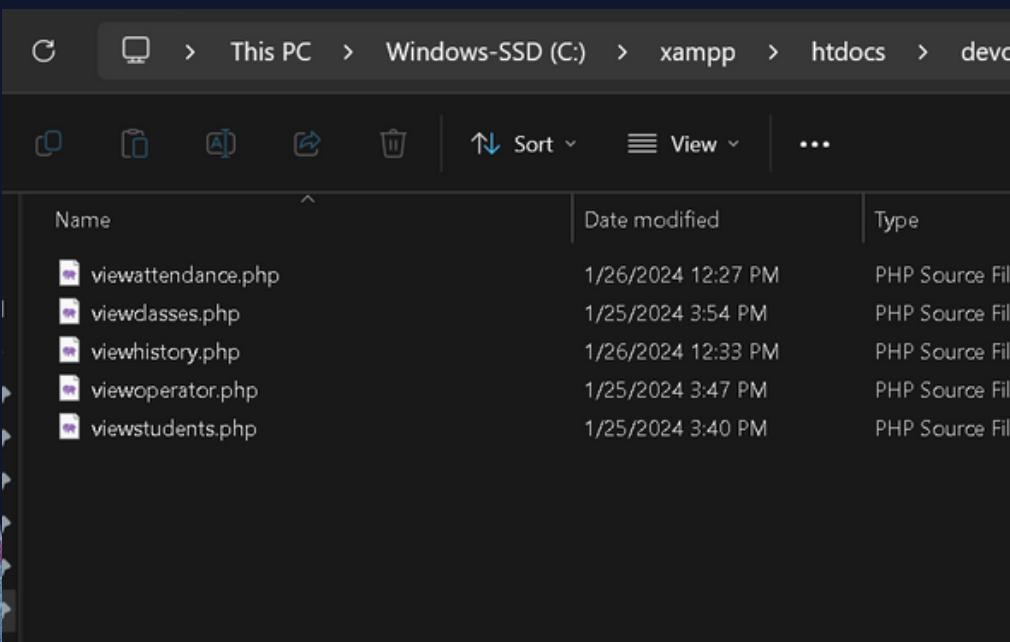


Display Data

create php file on your directory

Write the code

Display it on your browser



A screenshot of a code editor showing a PHP script named config.php. The code includes HTML for a table header and body, and MySQLi database connection logic.

```
<!DOCTYPE html>
<html>
<head>
    <title>Data Operator</title>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
</head>
<body>
    <div class="container">
        <h1>Data Operator</h1>
        <table class="table table-striped table-bordered table-hover">
            <thead>
                <tr>
                    <th class="text-center">NIP Number</th>
                    <th class="text-center">Email</th>
                    <th class="text-center">Full Name</th>
                    <th class="text-center">Password</th>
                    <th class="text-center">Phone Number</th>
                    <th class="text-center">Role</th>
                    <th class="text-center">Created At</th>
                    <th class="text-center">Updated At</th>
                </tr>
            </thead>
            <tbody>
                <tr>
                    <td></td>
                    <td></td>
                    <td></td>
                    <td></td>
                    <td></td>
                    <td></td>
                    <td></td>
                    <td></td>
                </tr>
            </tbody>
        </table>
    </div>
</body>
</html>

<?php
//koneksi ke database
$conn = mysqli_connect('localhost', 'root', '12345', 'db_unklab');

//periksa koneksi
if ($conn) {
    die("koneksi gagal: " . mysqli_connect_error());
}

//query untuk mendapatkan data mahasiswa

```

A screenshot of a web browser displaying a table titled "Data Mahasiswa". The table has columns for Registration Number, NIM Number, Email, Full Name, Created At, and Updated At. The data consists of 15 rows of student information.

Registration Number	NIM Number	Email	Full Name	Created At	Updated At
123456789012	154321	s154321@student.unklab.ac.id	Radix Basalama	2023-04-13 22:54:33	2023-04-13 22:54:33
105021710031	21710268	s21710268@student.unklab.ac.id	Pongantung, Jeremy	12-12-2023 10:32:43	12-12-2023 10:32:43
123456789012	254321	s254321@student.unklab.ac.id	Putra Podomi	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	354321	s354321@student.unklab.ac.id	ChinChin Long	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	454321	s454321@student.unklab.ac.id	Miekie Kawekang Sie	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	554321	s554321@student.unklab.ac.id	Dinda Manopo Putri	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	604321	s604321@student.unklab.ac.id	Margono Raharjo	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	644321	s644321@student.unklab.ac.id	Sempoyonangan Ojimiso	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	654321	s654321@student.unklab.ac.id	David Kawekang	12-12-2023 10:32:43	12-12-2023 10:32:43
123456789012	754321	s754321@student.unklab.ac.id	Citra Lentari Anada	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	854321	s854321@student.unklab.ac.id	Sandra Dewi	2023-04-13 22:54:33	2023-04-13 22:54:33
123456789012	954321	s954321@student.unklab.ac.id	Putri Moningka	2023-04-13 22:54:33	2023-04-13 22:54:33

Monitoring & Error Logging ★

Log error Apache dapat memberikan informasi tentang upaya serangan atau aktivitas mencurigakan!!!!



Manually View Apache Error Log

XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions		
	Apache	7412 21192	80, 443	Stop	Admin	Config
	MySQL	12472	3306	Stop	Admin	Config
	FileZilla			Start	Admin	Config
	Mercury			Start	Admin	Config
	Tomcat			Start	Admin	Config

Logs

- Apache (access.log)
- Apache (error.log)
- PHP (php_error_log)
- <Browse> [Apache]
- <Browse> [PHP]

```
8:40:06 PM [Tomcat] or reconfigure Tomcat and the Control Panel to listen on a different port
8:40:06 PM [main] Starting Check-Timer
8:40:06 PM [main] Control Panel Ready
8:40:36 PM [Apache] Attempting to start Apache app...
8:40:36 PM [Apache] Status change detected: running
8:41:15 PM [mysql] Attempting to start MySQL app...
8:41:17 PM [mysql] Status change detected: running
```

Open Web Server Logs

The screenshot shows the homepage of the http Logs Viewer website. The header features the logo 'http Logs Viewer' with a magnifying glass icon. Below the header are navigation links: Home (which is active), Features, Screenshots, Purchase, Help, and Contact. A large central image displays a screenshot of the software's log viewer interface. The interface has tabs for 'main_access.log' and 'main_error.log'. It includes a toolbar with icons for File, Edit, Export, Statistics, Graph, and Help. Below the toolbar are sections for 'Advanced Filter' and 'Data'. The main area shows a table of log entries with columns: IP Address, Date, Request, Status, Size, Country, City, Referer, and User Agent. Several log entries are highlighted in green, indicating they match a specific filter. The bottom of the page contains a cookie consent message from 'apacheviewer.com'.

Open web server logs

With http logs viewer you can easily filter and analyze your logs.

This website uses cookies to improve your experience. We'll assume you're ok with this, but you can opt-out if you wish.

Accept

Thank
you!

