

## 1.2 MySQL Installation

- Install Xampp first for the distribution that works best for you, then finish the configuration.

**XAMPP for Windows 8.0.30, 8.1.25 & 8.2.12**

Version	Checksum	Size
8.0.30 / PHP 8.0.30	md5 sha1	144 Mb
8.1.25 / PHP 8.1.25	md5 sha1	148 Mb
8.2.12 / PHP 8.2.12	md5 sha1	149 Mb

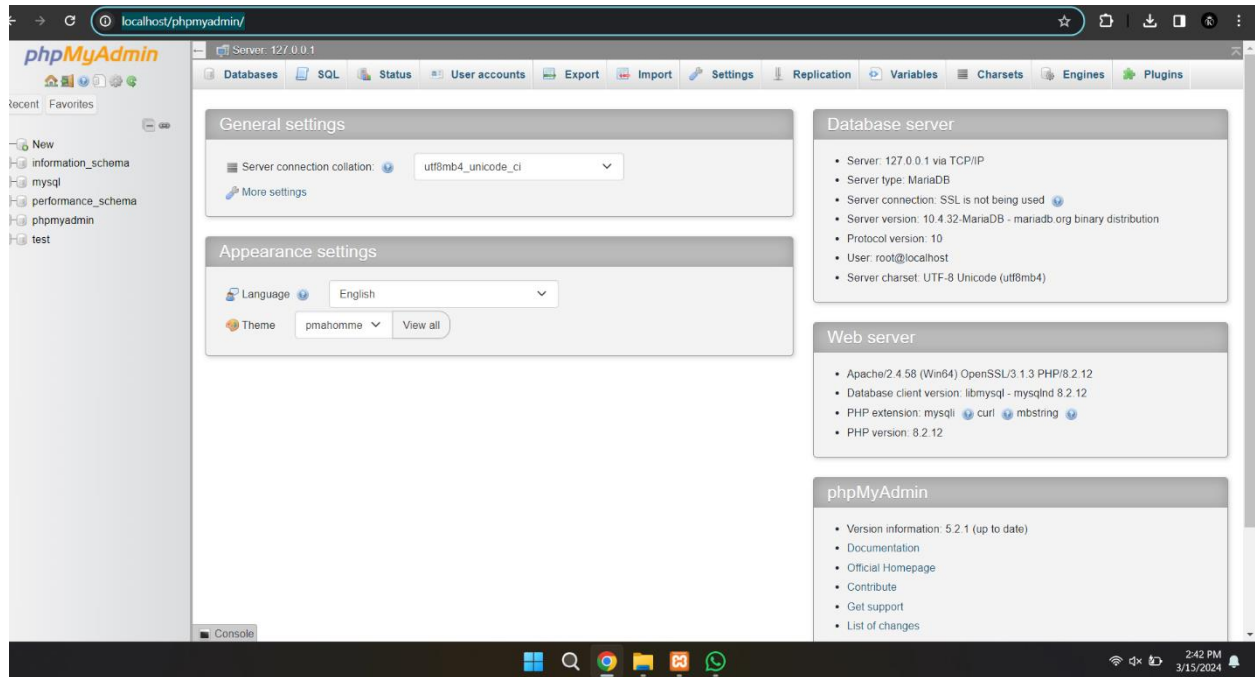
- After the installation is complete, launch Xampp and launch Apache and MySQL.

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

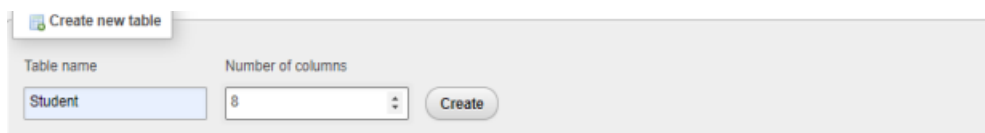
Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	10108 22300	80, 443	Stop Admin Config Logs
<input type="checkbox"/>	MySQL	17904	3306	Stop Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

2:25:05 PM [main] Initializing Control Panel  
 2:25:05 PM [main] Windows Version: Home 64-bit  
 2:25:05 PM [main] XAMPP Version: 8.2.12  
 2:25:05 PM [main] Control Panel Version: 3.3.0 [ Compiled: Apr 6th 2021 ]  
 2:25:05 PM [main] You are not running with administrator rights! This will work for most application stuff but whenever you do something with services there will be a security dialogue or things will break! So think about running this application with administrator rights!  
 2:25:05 PM [main] XAMPP Installation Directory: "d:\xamppp"  
 2:25:05 PM [main] Checking for prerequisites  
 2:25:05 PM [main] All prerequisites found  
 2:25:05 PM [main] Initializing Modules  
 2:25:05 PM [main] Starting Check-Timer  
 2:25:05 PM [main] Control Panel Ready  
 2:32:11 PM [Apache] Attempting to start Apache app...  
 2:32:11 PM [Apache] Status change detected: running  
 2:32:18 PM [mysql] Attempting to start MySQL app...  
 2:32:18 PM [mysql] Status change detected: running

- After that, open your web browser and enter localhost/phpMyAdmin. The site where you can construct your tables and databases will open as a result.



- Next, make a new table with eight columns and call it Student.



- Next, modify the columns and structures in accordance with the inquiry.

Table name:  Add  column(s)

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	AJ	Comments	Virtuality	Move column	Media type	Browser display transformation	Browser display transformation options	Input transformation
<input type="button" value="Add New Column"/>	CHAR	6	None			<input checked="" type="checkbox"/>	PRIMARY								
<input type="button" value="Pick from Central Columns"/>	studentName	VARCHAR	20	None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	Address	VARCHAR	60	None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	Telephone	VARCHAR	10	None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	Gender	BOOLEAN		None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	DOB	DATE		None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	Fees	FLOAT	6,2	None		<input type="checkbox"/>									
<input type="button" value="Pick from Central Columns"/>	Marks	INT		None		<input type="checkbox"/>									

- The Structures are now fully visible to you

phpmyAdmin

cent Favorites

New  
information\_schema  
institute  
New  
student  
mysql  
performance\_schema  
phpmyadmin  
test

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 StudentID	char(6)	utf8mb4_general_ci		No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	2 student Name	varchar(20)	utf8mb4_general_ci		No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	3 Address	varchar(60)	utf8mb4_general_ci		No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	4 Telephone	varchar(10)	utf8mb4_general_ci		No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	5 Gender	tinyint(1)			No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	6 DOB	date			No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	7 Fees	float(6,2)			No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>
<input type="checkbox"/>	8 Marks	int(11)			No	None			<input type="button" value="Change"/> <input type="button" value="Drop"/> <input type="button" value="More"/>

☐ Check all With selected:

column(s) after Marks

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
<input type="button" value="Edit"/> <input type="button" value="Rename"/> <input type="button" value="Drop"/>	PRIMARY	RTRFF	Yes	No	StudentID	5	A	No	

- Proceed to the browse area to view all of the data you entered into SQL.

The screenshot shows the phpMyAdmin interface for a database named 'institute'. The 'student' table is selected, and the 'Browse' tab is active. The table contains 5 rows of data. The SQL query 'SELECT \* FROM `student`' is entered in the query box. The table structure and data are as follows:

StudentID	student Name	Address	Telephone	Gender	DOB	Fees	Marks
1	Kamal	Nugegoda	0773456778	1	1987-05-22	6500.00	67
2	Sunil	Kelaniya	0716554455	1	1975-11-03	5500.00	72
3	Neela	Angoda	0754667789	0	1985-10-17	8500.00	97
4	Palitha	Maharagama	0776655443	1	1986-09-18	9000.00	54
5	Seetha	kottawa	0786655449	0	1979-05-13	4500.00	78

## Query

```
SELECT * FROM `student` ;
SELECT * FROM `student` where Address = 'Kelaniya';
```

- Using the code "SELECT \* FROM Student;," display every record in the students table in the SQL section.

	StudentID	student Name	Address	Telephone	Gender	DOB	Fees	Marks
<input type="checkbox"/> Edit Copy Delete	1	Kamal	Nugegoda	0773456778	1	1987-05-22	6500.00	67
<input type="checkbox"/> Edit Copy Delete	2	Sunil	Kelaniya	0716554455	1	1975-11-03	5500.00	72
<input type="checkbox"/> Edit Copy Delete	3	Neela	Angoda	0754667789	0	1985-10-17	8500.00	97
<input type="checkbox"/> Edit Copy Delete	4	Palitha	Maharagama	0776655443	1	1986-09-18	9000.00	54
<input type="checkbox"/> Edit Copy Delete	5	Seetha	kottawa	0786655449	0	1979-05-13	4500.00	78

- Use the code "SELECT \* FROM Student WHERE address = 'Kelaniya';" to display all the student details from the address equal to Kelaniya.

	ID	StudentName	Address	Telephone	Gender	DOB	Fees	Marks
<input type="checkbox"/> Edit Copy Delete	2	Sunil	Kelaniya	0716554455	1	1975-03-11	5500.00	72

- Lastly, use the code "SELECT name, marks FROM Student WHERE marks > 70;" to display the name and marks of the students who have received more than 70 points.

	StudentName	marks
<input type="checkbox"/> Edit Copy Delete	Sunil	72
<input type="checkbox"/> Edit Copy Delete	Neela	97
<input type="checkbox"/> Edit Copy Delete	Seetha	78