

Assignment 4 PHP and MySQL Admin

Design Employee Registration form and store and retrieve the data using PHP and MySql.

- [PHP](#) is a language that gives you the flexibility to connect and work with different [databases](#) while developing your webpage. There are different databases, both commercial and free to use. Amongst them, [MySQL](#) is the most commonly used database alongside PHP.
- MySQL is an open-source, free-to-use relational database management system (RDBMS). It is a fast, simple, and highly scalable program and hence can be used for small as well as huge businesses.

Software Requirements

- [Visual Studio Code](#) / notepad++ as the code editor.
- And [XAMPP](#) / Apache tomcat to set up your local web server.

How to Create a Database?

A database is defined as an organized collection of data that makes the data easy to access, manage and modify. Generally, databases use SQL (Structured Query Language) for data manipulation.

To create a database:

Open [XAMPP](#) Control Panel and start the Apache server and MySQL service.

Install Xampp server and open xampp control panel then start apache and Mysql

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

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache	7004 1468	80, 443	<input type="button" value="Stop"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>
<input type="checkbox"/>	MySQL	2040	3306	<input type="button" value="Stop"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>
<input type="checkbox"/>	FileZilla			<input type="button" value="Start"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>
<input type="checkbox"/>	Mercury			<input type="button" value="Start"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>
<input type="checkbox"/>	Tomcat			<input type="button" value="Start"/> <input type="button" value="Admin"/> <input type="button" value="Config"/> <input type="button" value="Logs"/>

11:00:01 AM [main] Checking for prerequisites
11:00:03 AM [main] All prerequisites found
11:00:03 AM [main] Initializing Modules
11:00:03 AM [Apache] XAMPP Apache is already running on port 80
11:00:03 AM [Apache] XAMPP Apache is already running on port 443
11:00:03 AM [mysql] XAMPP MySQL is already running on port 3306
11:00:03 AM [main] Starting Check-Timer
11:00:03 AM [main] Control Panel Ready

Config
Netstat
Shell
Explorer
Services
Help
Quit

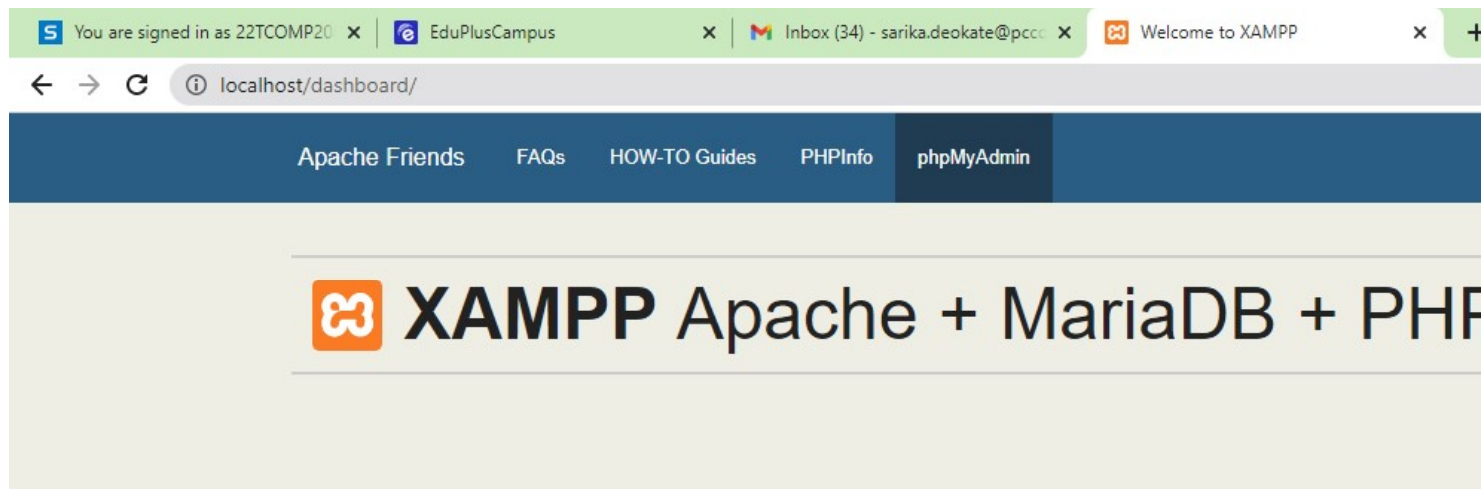
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Control Panel :
mysql service.

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A database is defined as an organized collection of data that

Now, go to your browser and type localhost in the address bar, and then on the XAMPP dashboard, click on the phpmyadmin tab.



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Welcome to XAMPP for Windows 7.4.33

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other services. You can find more info in the [FAQs](#) section or check the [HOW-TO Guides](#) for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop, but it is insecure if you want to have your installation accessible to others.

Start the XAMPP Control Panel to check the server status.

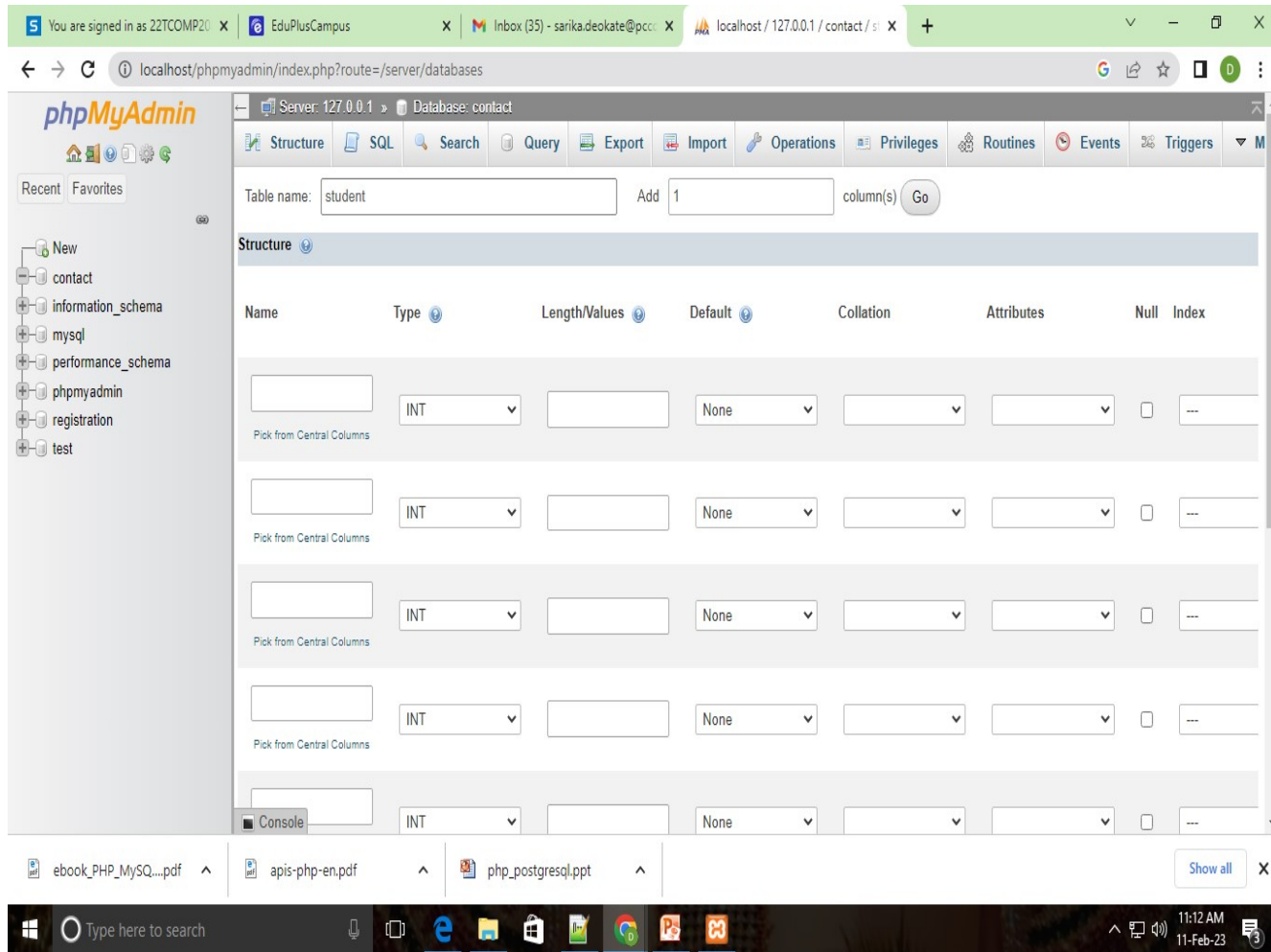
Community

Into the phpmyadmin section, click on new to create a new database.

The screenshot shows the phpMyAdmin web interface. The browser's address bar displays `localhost/phpmyadmin/index.php?route=/server/databases`. The interface includes a top navigation bar with tabs for Databases, SQL, Status, User accounts, Export, Import, and Settings. On the left sidebar, under the 'Recent' tab, a tree view lists databases: New, information_schema, mysql, performance_schema, phpmyadmin, registration, and test. The 'New' button is highlighted with a red arrow. The main content area, titled 'Databases', features a 'Create database' button, a text input field containing 'contact', a collation dropdown menu set to 'utf8mb4_general_ci', and a 'Create' button. Below this, there are checkboxes for 'Check all' and a 'Drop' button. A table lists existing databases with their collations and actions.

	Database	Collation	Action
<input type="checkbox"/>	information_schema	utf8_general_ci	Check privileges
<input type="checkbox"/>	mysql	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	performance_schema	utf8_general_ci	Check privileges
<input type="checkbox"/>	phpmyadmin	utf8_bin	Check privileges
<input type="checkbox"/>	registration	utf8mb4_general_ci	Check privileges
<input type="checkbox"/>	test	latin1_swedish_ci	Check privileges

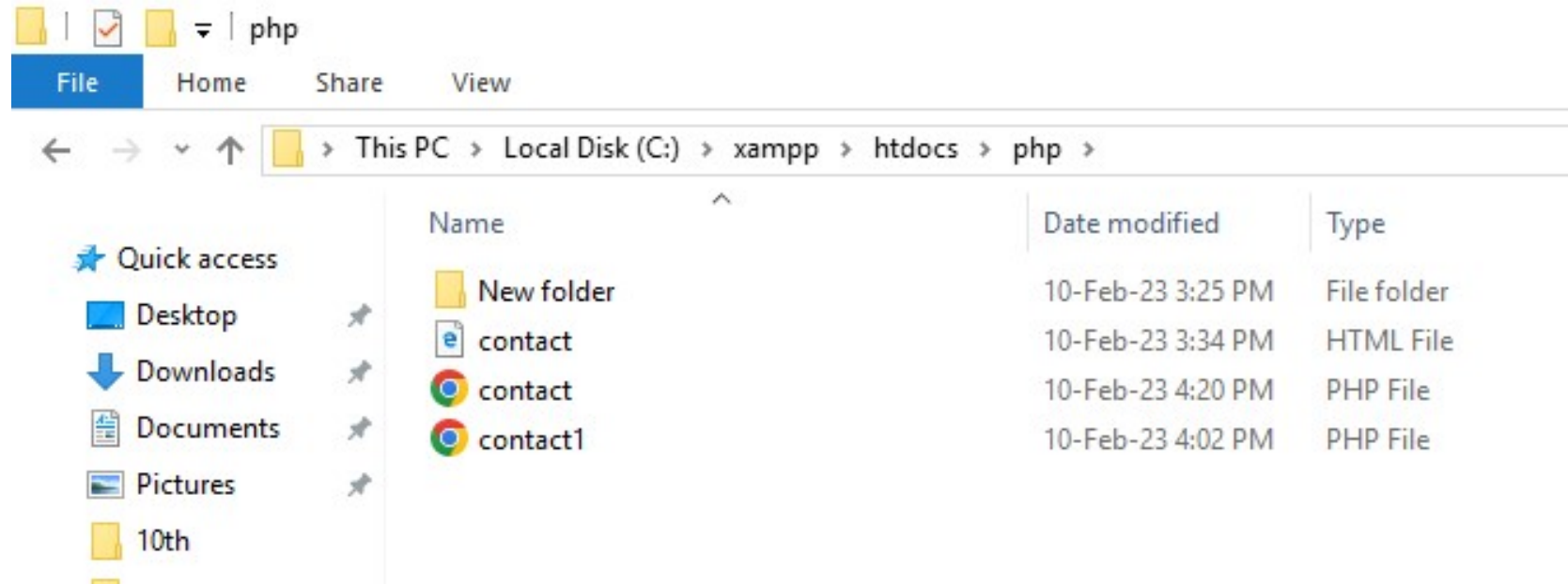
Now, create a table named “student(any name as per your requirement)” and create 5 columns as shown below, which you will use on the registration page.



Keep the “id” column as Auto Incremented by clicking the check box next to ‘AI’ since it will be the primary key.

Once database table is ready prepare your .php and .html file in any editor. Put those file in following folder

C:/xampp/htdocs/create_a_new_folder_to_keep_your_files
Here I have created a PHP folder










Then again to go the localhost and click on PHP folder

You are signed in as 22TCOMP20 x | EduPlusCampus x | Inbox (35) - sarika.deokate@pccc

localhost

Index of /

Name	Last modified	Size	Description
 Local Disk/	2023-02-07 13:13	-	
 dashboard/	2022-11-23 01:32	-	
 img/	2022-12-21 14:22	-	
 php/	2023-02-10 16:02	-	
 sdl/	2015-07-16 21:02	-	
 webalizer/	2022-12-21 14:22	-	
 xampp/	2022-12-21 14:22	-	

Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/7.4.33 Server at localhost Port 80

Now click on contact.html

You are signed in as 22TCOMP20 x | EduPlusCampus x | Inbox (35) - sarika.deokate@pccc x | Index of /php

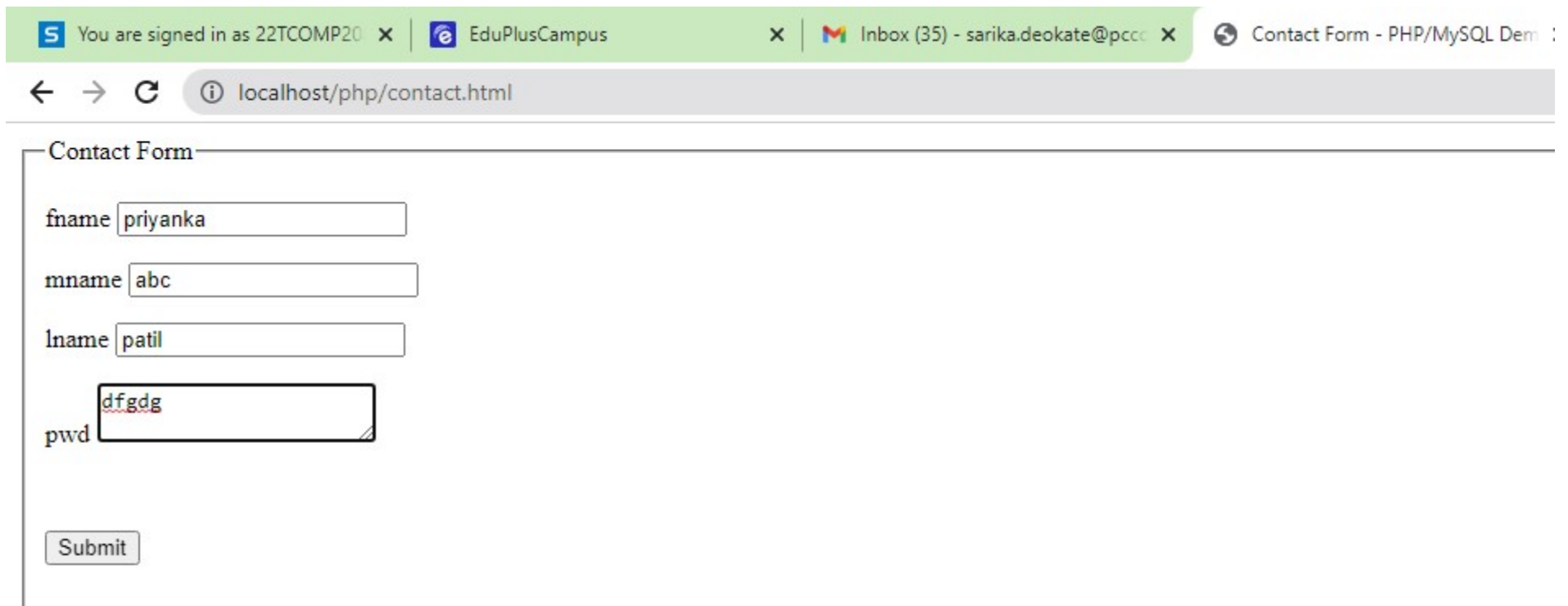
localhost/php/

Index of /php

Name	Last modified	Size	Description
 Parent Directory		-	
 New folder/	2023-02-07 13:51	-	
 contact.html	2023-02-10 15:34	810	
 contact.php	2023-02-10 16:20	1.1K	
 contact1.php	2023-02-10 16:02	631	

Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/7.4.33 Server at localhost Port 80

Enter the data and click submit button



The screenshot shows a web browser window with the following tabs: "You are signed in as 22TCOMP20", "EduPlusCampus", "Inbox (35) - sarika.deokate@pccc", and "Contact Form - PHP/MySQL Dem :". The address bar displays "localhost/php/contact.html". The page content is titled "Contact Form" and contains four input fields: "fname" with the value "priyanka", "mname" with the value "abc", "lname" with the value "patil", and "pwd" with the value "dfgdg". A "Submit" button is located at the bottom left of the form.

Contact Form

fname

mname

lname

pwd

Contact Records Inserted

EMP ID :19
EMP First NAME : priyanka
EMP middle name : abc
EMP Last name : patil

EMP ID :20
EMP First NAME : XYZ
EMP middle name : ABC
EMP Last name : patil

Fetches data successfully

← Record are retrieved from the table

Click on table:registration

The screenshot shows the phpMyAdmin interface. The browser address bar displays the URL: `localhost/phpmyadmin/index.php?route=/sql&db=registration&table=registration`. The breadcrumb navigation at the top of the main content area shows: `Server: 127.0.0.1 » Database: registration » Table: registration`. A red arrow points from the text 'Click on table:registration' to the 'Table: registration' link.

The left sidebar shows the database structure tree with the following items:

- New
- contact
- information_schema
- mysql
- performance_schema
- phpmyadmin
- registration (selected)
- test

The main content area displays the 'registration' table structure and data. The table has the following columns: `id`, `fname`, `mname`, `lname`, and `pwd`.

The table data is as follows:

	id	fname	mname	lname	pwd
<input type="checkbox"/>	19	priyanka	abc	patil	dfgdg
<input type="checkbox"/>	20	XYZ	ABC	patil	trytyu

The interface also shows a SQL query editor with the query: `SELECT * FROM `registration``. Below the query editor, there are options for 'Show all', 'Number of rows' (set to 25), 'Filter rows' (Search this table), and 'Sort by key'.