

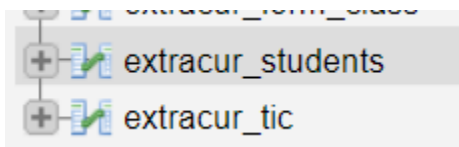
This document will have code you can copy/paste.

First: set up a table like this:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 first_name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 activity_name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 tic	int(11)			No	None			Change Drop More

Teacher table:

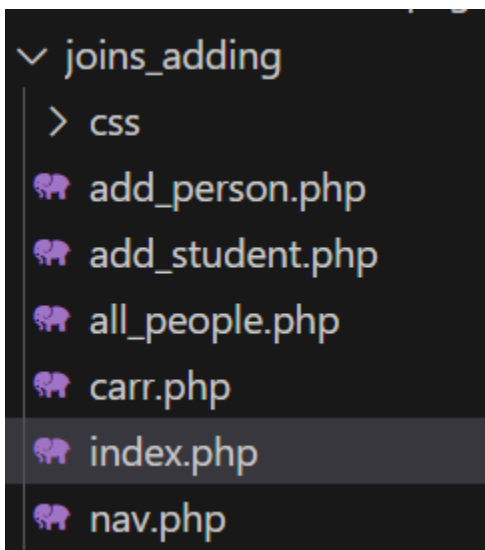
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 code	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 first_name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 activity	text	utf8mb4_general_ci		No	None			Change Drop More



Make 2 .php files in a **separate folder**.

You will need **form.php** and **add_student.php**

Also copy across the css folder from an older project.



Here is the code for form.php

```
<!DOCTYPE html>
<html>
<meta charset="utf-8">
<link rel="stylesheet" href="css/style.css" type="text/css">

<body class="grid-container">
<div class="banner"><a href="index.php"><img class="banner_img"
src=""></img></a></div>
  <div class="article">

    This is a demo page on inserting data into a database.
    In this "article" section of the website, we will have a form:
    To add to the extra_students table, we will need a name, activity
name, and a Teacher's ID

    <form method="post" action="add_student.php">
      Student Name:<br>
      <input type="text" name="student_name">
      <br>
      Activity Name:<br>
      <input type="text" name="activity_name">
      <br>
      TiC ID:<br>
      <input type="number" name="tic_id">
      <br>
      <br>
      <input type="submit" name="save" value="submit">
    </form>
  </div>

  <div class="nav">
    <?php include 'nav.php';?>
  </div>
```

```

<div class="search">

</div>
<div class="footer">All content are being used for learning and practising SQL
and PHP. </div>

</body>

</html>

```

add_student.php:

```

<!DOCTYPE html>

<html>
<meta charset="utf-8">
<link rel="stylesheet" href="css/style.css" type="text/css">

<body class="grid-container">
<div class="banner"><a href="index.php"><img class="banner_img"
src=""></img></a></div>
  <div class="article">

    This page is to add a person to the database. Hopefully it will say
it is successful...

    <?php

        include '/System/Volumes/Data/Web/CHG/php_includes/config.php';
//you can delete this

        $servername = DB_HOST;//localhost
        $username = DB_USER;//school username
        $password = DB_PASSWORD;//phpmyadmin password

```

```

        $dbname = 'demo_extracur'; //Make sure it is the right database
name...Especially if you made a new one.

        $conn = mysqli_connect($servername, $username, $password,
$dbname);

        echo "Adding " . $_POST['student_name'] . " Activity " .
$_POST['activity_name'] . $_POST['tic_id'];

        if(isset($_POST['save'])){
            echo "adding!";
            $name = $_POST['student_name'];
            $activity = $_POST['activity_name'];
            $tic_id = $_POST['tic_id'];
            $sql = "INSERT INTO extracur_students
(first_name,activity_name,tic) VALUES ('$name','$activity','$tic_id')"; //we don't
need an ID here, it's auto increment

            $id_int = intval($tic_id);
            if($id_int<1){
                echo"<br>Please Enter valid id!";

            }else{//we may want to do other data validations here!

                if (mysqli_query($conn, $sql)) {
                    echo "Student added!";
                }
                else {
                    echo "Error: " . $sql . " " .
mysqli_error($conn);
                }
                mysqli_close($conn);
            }
        }
    ?>
</div>
<div class="nav">

</div>

```

```

<div class="search">

</div>
<div class="footer">All content are being used for learning and practising SQL
and PHP. </div>
</body>
</html>

```

How it works:

It collects the variables from the form, then we take the values and put it into variables. Then we use an INSERT statement to put it in.

Change your login-details and have it connect to your own database.

Making the nav.php:

```

<ul>
Common Queries
<li><a href="all_people.php">Show All Students</li>
<li><a href="index.php">Show all Teachers</a></li>
<li><a href="">Show All Sailing Students and the TiC</a></li>
<li><a href="">Show All Volleyball Students and the TiC</a></li>
<li><a href="">Mr Chuang's students</a></li>
<li><a href="carr.php">Mr Carr's students</a></li>
</ul>

```

You'll have to create the nav.php file and put it in the nav div in an includes like this:

```

<div class="nav">
<?php include 'nav.php';?>
</div>

```

Try and make a page for each of the queries here.

Other things for you to try:

- 1) We looked at text-search earlier. Can you make a form to make a **text-search** for students. How about for teachers?
- 2) Can we make a form to **add teachers**?
- 3) Much harder: Right now the system requires the user to magically know the teacher's ID. Is there a way we can make this easier?

“Answer” for 3):

Make a teacher_search.php:

```
<form method="post" action="form.php">
    Teacher Name:<br>
    <input type="text" name="teacher_name">
    <input type="submit" name="save" value="submit">
</form>
<?php

    include '/System/Volumes/Data/Web/CHG/php_includes/config.php';
//you can delete this

    $servername = DB_HOST;//localhost
    $username = DB_USER;//school username
    $password = DB_PASSWORD;//phpmyadmin password
    $dbname = 'demo_extracur';//Make sure it is the right database
name...Especially if you made a new one.

    $conn = mysqli_connect($servername, $username, $password,
$dbname);

    if(isset($_POST['save'])){
        echo "Searching...";
```

```

        $teacher_name = $_POST['teacher_name'];
        $sql = "SELECT * FROM `extracur_tic` WHERE first_name
LIKE '%" . $teacher_name . "%'"; //maybe sort it nicely?

        // Check connection
        if (!$conn) {
            die("Connection failed: " . mysqli_connect_error());
        }

        $result = $conn->query($sql);
        //operations for the results object
https://www.php.net/manual/en/class.mysqli-result.php
        echo "<table id='sql_table'>

        <tr>
        <th>Teacher</th>
        <th>Code</th>
        <th>ID</th>
        </tr>";

        if ($result->num_rows > 0) {
            // output data of each row
            while($row = $result->fetch_assoc()) {
                //echo "<br> Item: " . $row["item"] . " Calories:
" . $row["calories"] . "<br>";

                echo "<tr>";
                echo "<td>" . $row['first_name'] . "</td>";
                echo "<td>" . $row['code'] . "</td>";
                echo "<td>" . $row['id'] . "</td>";
                echo "</tr>";
            }
        } else {
            echo "0 results";
        }
        echo "</table>";
    }

```

```
?>
```

Put this includes on your index page:

```
<?php include 'teacher_search.php';?>
```

What happens?