



## 1 The procedure to practice

1. You have been given a set of spoken tutorials and files
2. You will typically do one tutorial at a time
3. You may listen to a spoken tutorial and reproduce all the commands shown in the video
4. If you find it difficult to do the above, you may consider listening to the *whole* tutorial once and then practice during the second hearing

## 2 First tutorial: Installing a XAMPP Web server on Ubuntu Linux

1. Please locate the folder `phpandmysql` and open it. This folder contains all the required materials.
2. Double click on `php_tutorial.html` file to open it in the browser. This displays the suggested learning sequence of the tutorials.
3. Locate the topic *Installing a XAMPP Web server*. Click on the link *Spoken Tutorial* to open and view the video. Links have been provided for viewing the Script as well. You are not required to view the script unless you have difficulty in understanding the pronunciation or to refer to a command in the video.
4. Please listen to this tutorial and follow all the instructions carefully. From 00:50 min to 1:30 min the tutorial shows how to download XAMPP. We have already provided the installation files in the `phpandmysql` folder.
5. Please open the `phpandmysql` folder. Next, open the `install` folder. Then open the subfolder `linux`, here you will find the file `xampp-linux-1.7.7.tar.gz`. Now you can start following the video from 1:31 min onwards.
6. At 5:12 min the video talks about the **gedit** text editor. We will be using **gedit**

text editor in place of **ConTEXT** editor which is used throughout in all the videos.

7. Complete this tutorial by reproducing all of it.
8. At 04:38 in this tutorial, we are creating a directory `myhomepage`. Now you create a directory `phpacademy` in `/opt/lampp/htdocs/` in a similar way.
9. Please note that the path of `phpacademy` folder shown throughout in all the videos is `c:\xampp\htdocs\phpacademy`. But in linux the equivalent path will be `/opt/lampp/htdocs/phpacademy`. This is your working directory. Henceforth, for all the videos, the `.php` and/or `.html` files should be created/copied in this directory. You are free to create subdirectories here for each video tutorial so that you can manage all your files in a better way.
10. After this, please go to the next tutorial, **Echo Function**.

## 3 Second tutorial: Echo Function

1. Create the file `helloworld.php` in the folder `/opt/lampp/htdocs/phpacademy` as it is required for this video tutorial. To do this:
  - (a) Open the terminal using the command **Ctrl-Alt-t** by pressing all these three keys simultaneously.
  - (b) Now type`cd /opt/lampp/htdocs/phpacademy`in the terminal and hit **ENTER** key.
  - (c) Now type`gedit helloworld.php &`and hit **ENTER** key.
  - (d) Please note that the path of `phpacademy` folder shown in video is `c:\xampp\htdocs\phpacademy` - this is your working directory in windows. But for Ubuntu Linux, the equivalent path is: `/opt/lampp/htdocs/phpacademy`. This will be your working directory

for all the tutorials. Henceforth, for all the videos, the `.php` and/or `.html` files should be created/copied in this directory. You are free to create sub-directories here for each video tutorial so that you can manage all your files in a better way.

2. Now go back to `php_tutorial.html` inside `phpandmysql` folder and locate the topic *Echo function* and click on the link *Spoken Tutorial* to open and view the video. Please follow the instructions in the video.
3. Type all the code shown in the video in `helloworld.php` file and save periodically by clicking **File** and **Save**.
4. At time 1:07 min, the tutorial shows Firefox Web Browser to view `helloworld.php` file, you can view this file in separate TAB or in a new web-browser.
5. Type `http://localhost/phpacademy/` in the address bar of your Firefox browser. This will show a list of files. Click `helloworld.php`. This will open `helloworld.php` in the browser.
6. Now every time you make some change to `helloworld.php` using `gedit` editor, you need to save your changes and refresh your

web browser by pressing **F5** key to reflect the changes.

7. In some of the future tutorials *Google Chrome* is used as the web browser, but you can continue using Firefox or any other web browser.
8. From time 1:55 min, the tutorial says about **parse error**. Please understand it carefully and try to reproduce the exact code as shown in the tutorial.
9. After you are done with this tutorial, you can move on to our next topic, *Variables in PHP* in `php_tutorial.html`.

#### 4 Similarly, remember to follow these three simple steps for all the tutorials -

1. Go to the next topic in the `php_tutorial.html`. Click on **Spoken Tutorial** link to view the video.
2. Create new file with same name as that mentioned in the video tutorial in `/opt/lampp/htdocs/phpcademy` using `gedit` text editor.
3. Execute your PHP code in web browser.