Lab Exercise 06 – Server Side Programming Using PHP

Objectives

By the end of this lab session, you will familiar with introduction to Server Side Programming using PHP.

Introduction

- Web Clients

A **web client** is an application that communicates with a **web** server, using Hypertext Transfer Protocol (HTTP). It typically refers to the Web browser in the user's machine. It may also refer to plug-ins and helper applications that enhance the browser to support special services from the site. The term may imply the entire user machine or refer to a handheld device that provides Web access.

- Web Servers

A Web server is a program that uses HTTP (Hypertext Transfer Protocol) to serve the files that form Web pages to users, in response to their requests, which are forwarded by their computers' HTTP clients. This stores all the web contents.

- What's XAMPP?

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

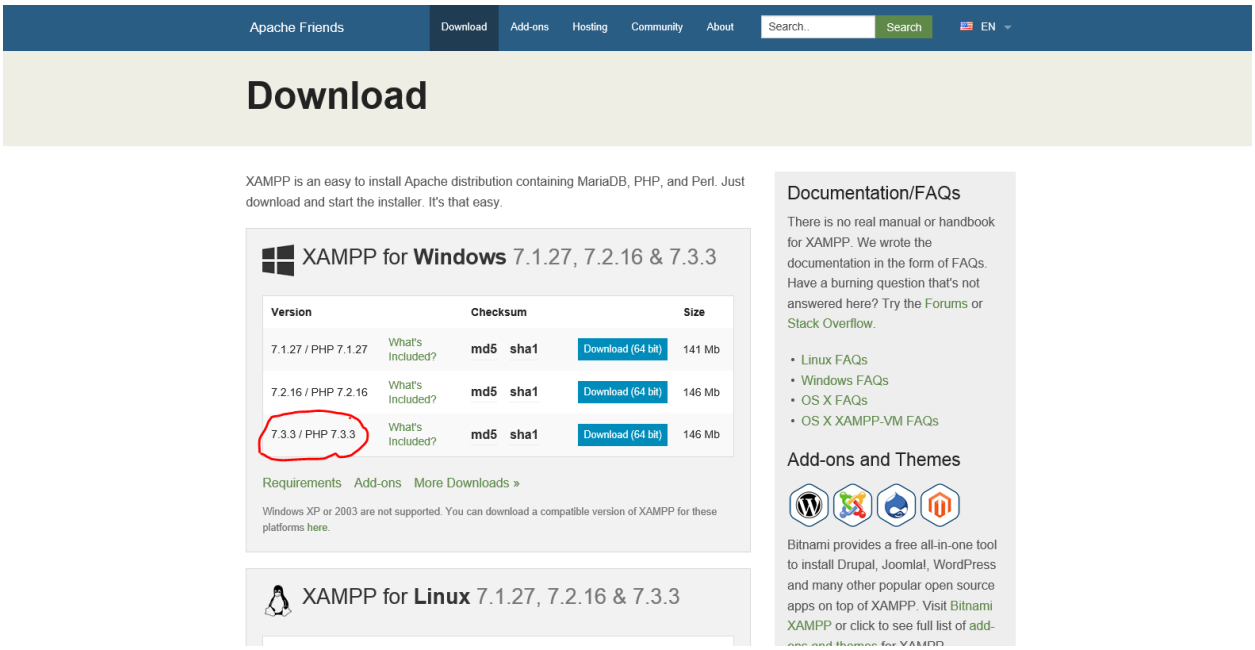
Exercise 1:

1. Write down available popular web servers.

Lab Exercise 06 – Server Side Programming Using PHP

2. Use following link to download XAMPP

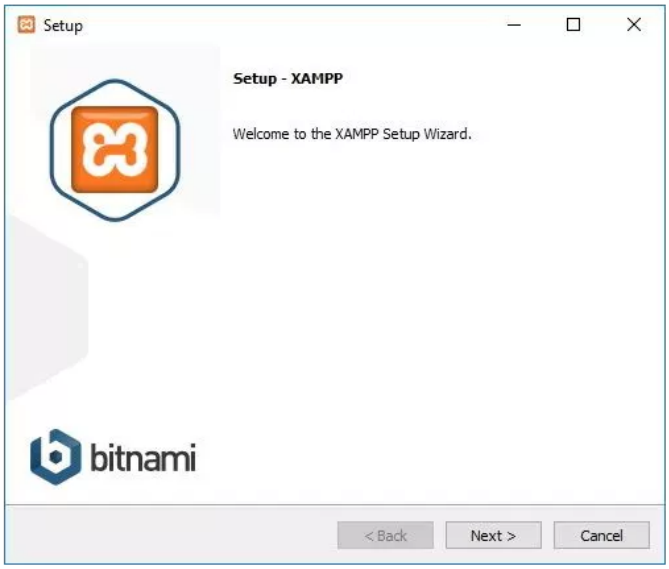
https://www.apachefriends.org/download.html



3. Use following steps to install XAMPP.

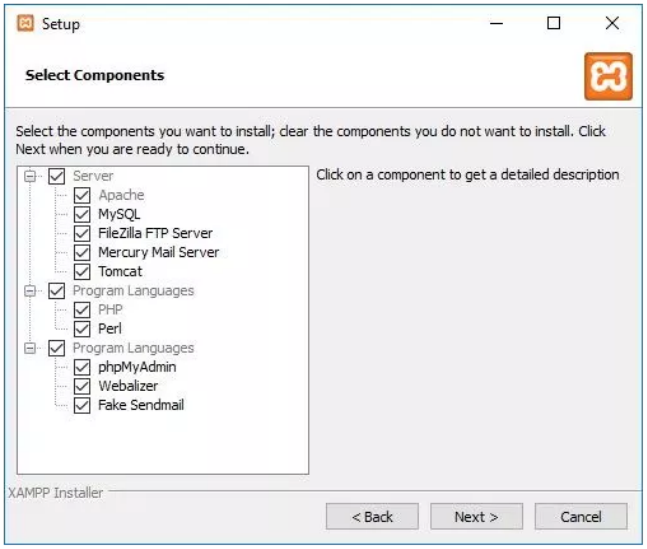
Step 1: Double click the downloaded .exe file.

Step 2:

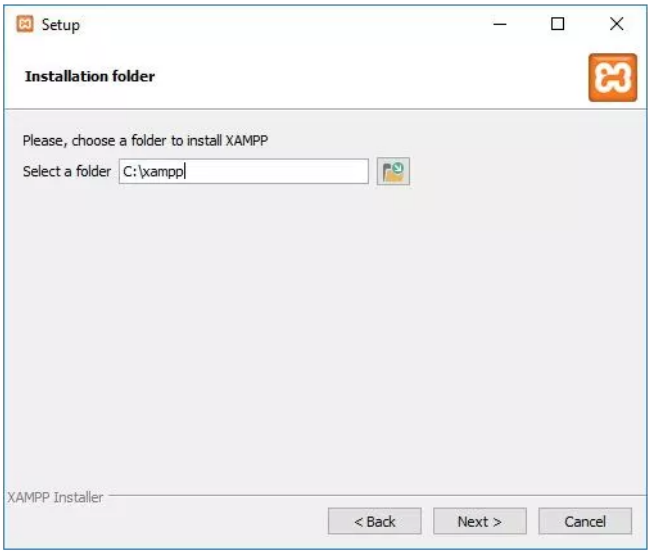


Lab Exercise 06 – Server Side Programming Using PHP

Step 3:



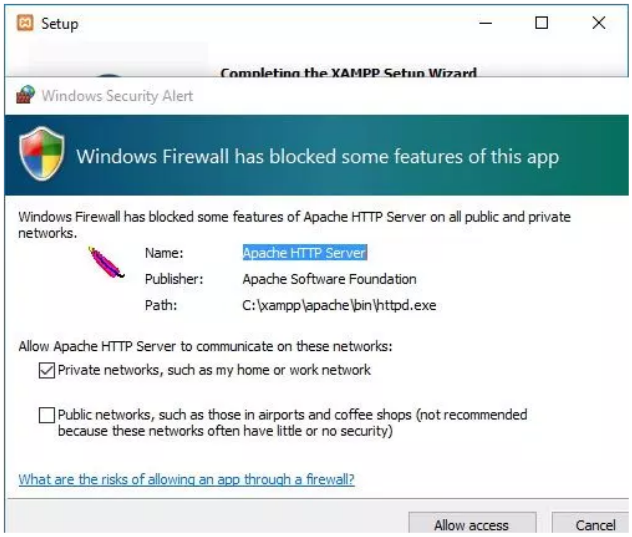
Step 4:



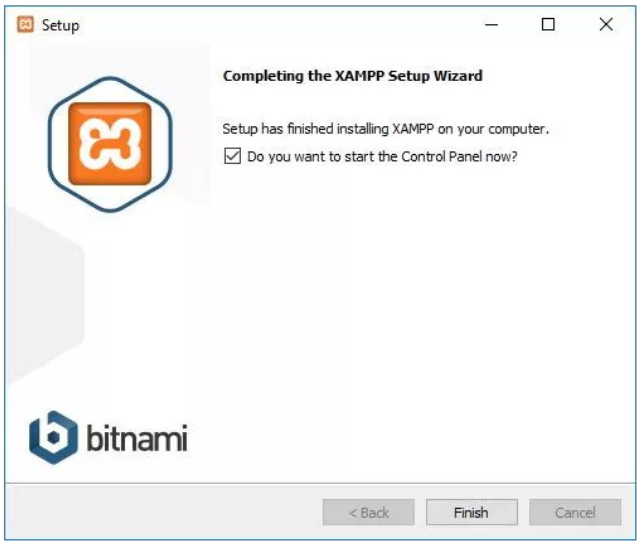
Lab Exercise 06 – Server Side Programming Using PHP

Step 5:

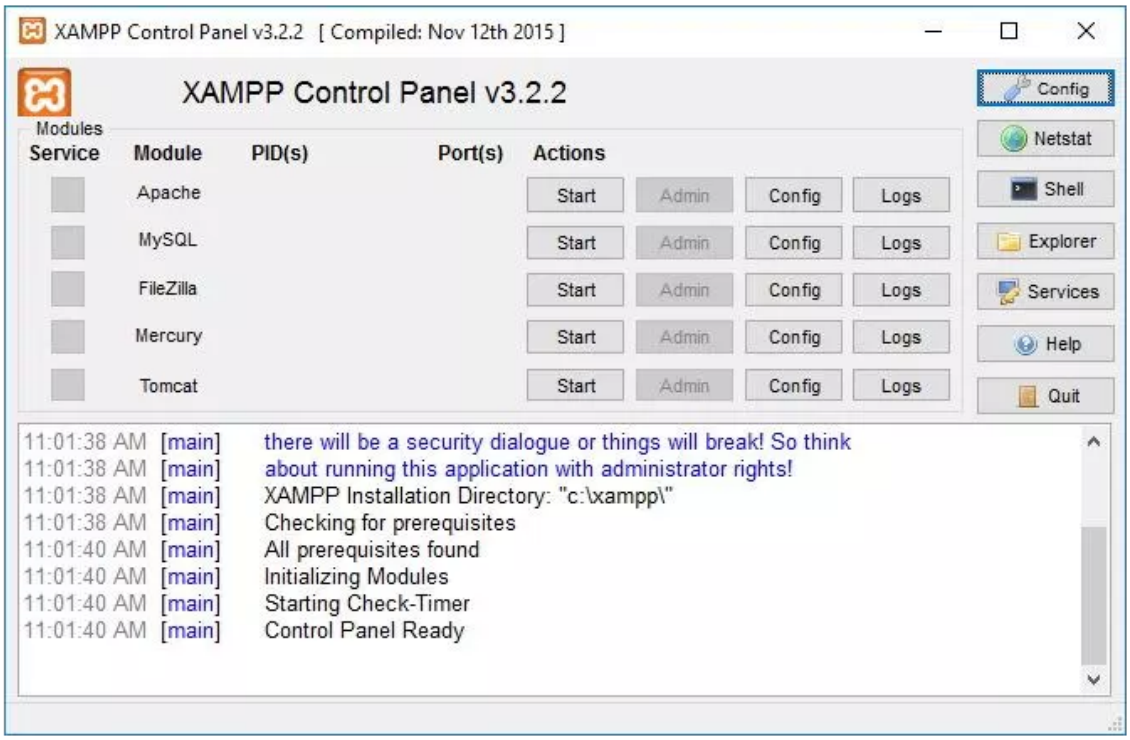
Step 6:



Step 7:



4. Open the XAMPP Control Panel.



Lab Exercise 06 – Server Side Programming Using PHP

XAMPP Control Panel Buttons

- Shell – Displays Command Line Interface (CLI) to run commands in XAMPP.
- Explorer – Go to the location (file location) where XAMPP has installed.
- Help – Guidelines to use XAMPP
- Start – Use this button to Start and Stop respective module/service.
- Admin – Use this button to open admin or application console for respective module.
- Config – Use this button to open configuration files
- Logs – Use this button to open log files

5. What are the configuration files inside apache Config and their purpose?

6. Start apache and mysql services by clicking the Start button.
7. How to check whether Apache is properly running or not?

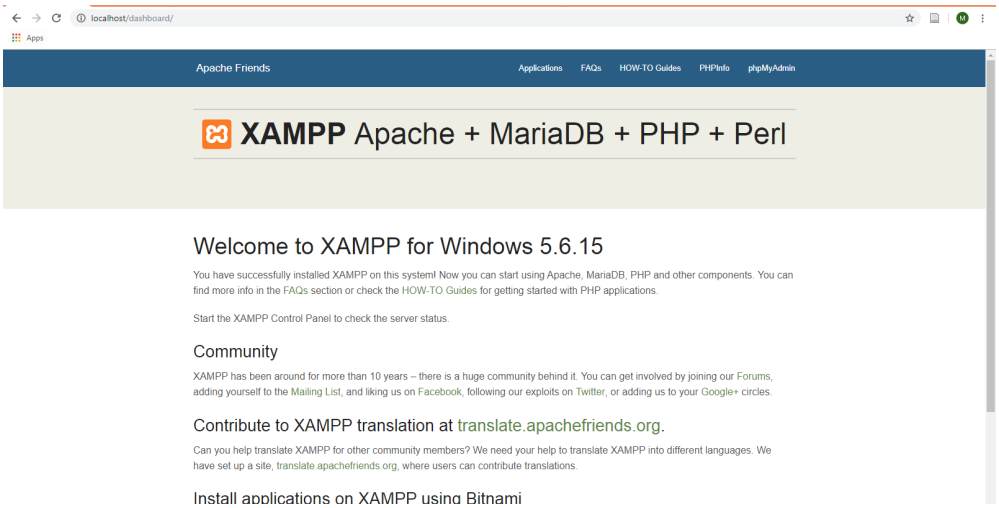
8. Write the PID and Port Id of Apache.

9. Write the PID and Port Id of MySQL.

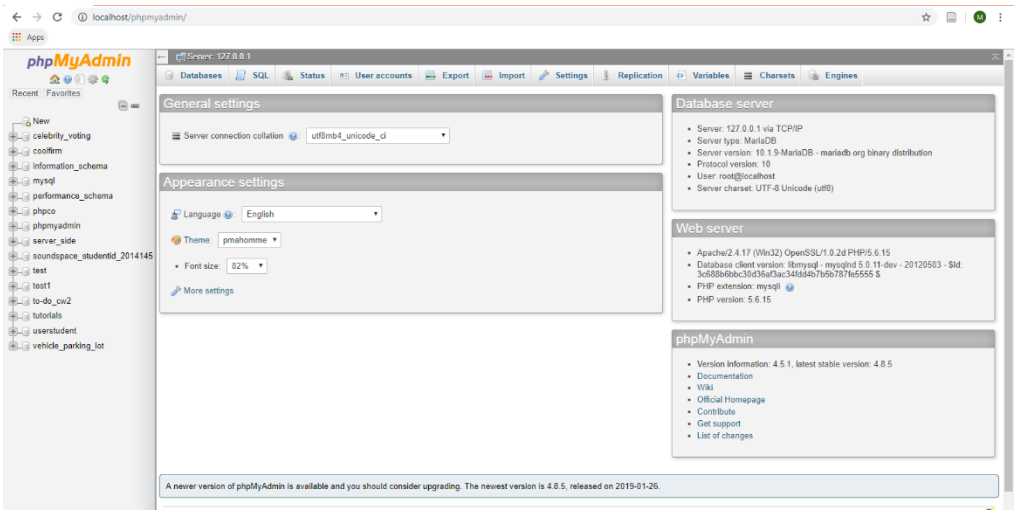
Lab Exercise 06 – Server Side Programming Using PHP

10. Go to the browser and type, "**localhost:<<Apache Port Number>>**"

    Ex: **localhost:8080**



11. Type, "**localhost/phpmyadmin**" to get the following output, where we can create the database.



Lab Exercise 06 – Server Side Programming Using PHP

Database server will be discussed properly in next lecture and lab sessions.

- There is a folder named "**htdocs"** inside XAMPP folder. If you want to run a file using XAMPP, then you should move the specific file into the "**htdocs**" folder.
  Copy the "IWT" folder and paste it inside "**htdocs**" location.
- Then in the browser run the file typing "**localhost/<<file or folder name>>/**" in the address bar.
  Open your browser and type, **"localhost/IWT/"**

12. Write down the steps to change the port number of apache server.

13. Stop the services.
14. What are the advantages of stopping the services?