Practical: 1

Aim: Introduction to web server installation and configuration.

Web Server: A web server is software and hardware that uses HTTP (Hypertext Transfer Protocol) and other protocols to respond to client requests made over the World Wide Web. The main job of a web server is to display website content through storing, processing and delivering webpages to users. Besides HTTP, web servers also support SMTP (Simple Mail Transfer Protocol) and FTP (File Transfer Protocol), used for email, file transfer and storage.

Web server hardware is connected to the internet and allows data to be exchanged with other connected devices, while web server software controls how a user accesses hosted files. The web server process is an example of the server model. All computers that host websites must have web server software.

XAMPP:-

X-Cross Platform

A-Apache (Web Server)

M-Mysql/MariaDB (Database)

P-PHP (Server Side Scripting Language)

P-Perl (Server Side Scripting Language)

WAMPP:-

W-Windows

A-Apache (Web Server)

M-Mysql/MariaDB (Database)

P-PHP (Server Side Scripting Language)

P-Perl (Server Side Scripting Language)

LAMPP:-

L-Linux

A-Apache (Web Server)

M-Mysql/MariaDB (Database)

P-PHP (Server Side Scripting Language)
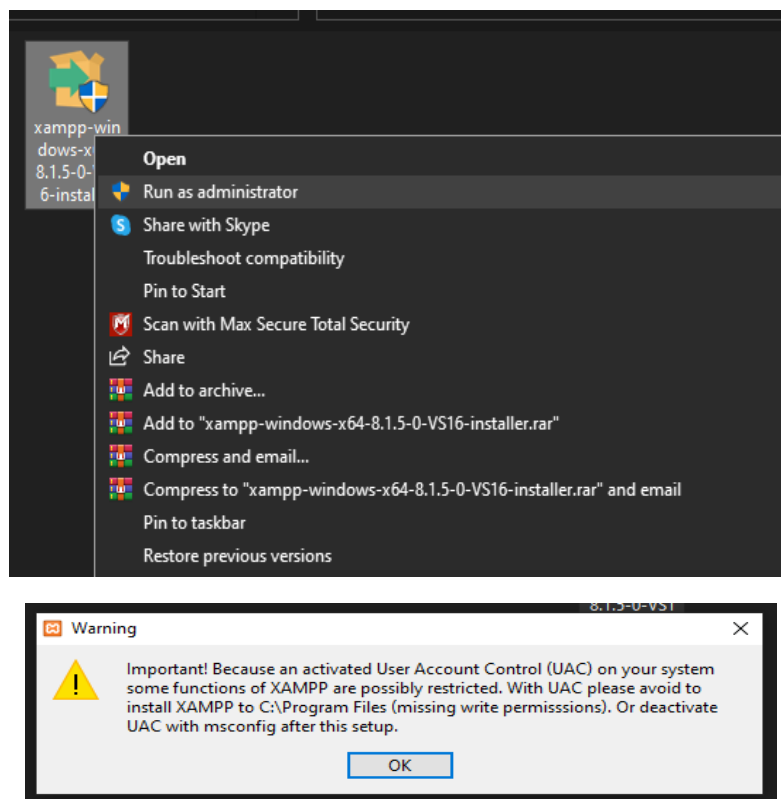
P-Perl (Server Side Scripting Language)

MAMPP:-
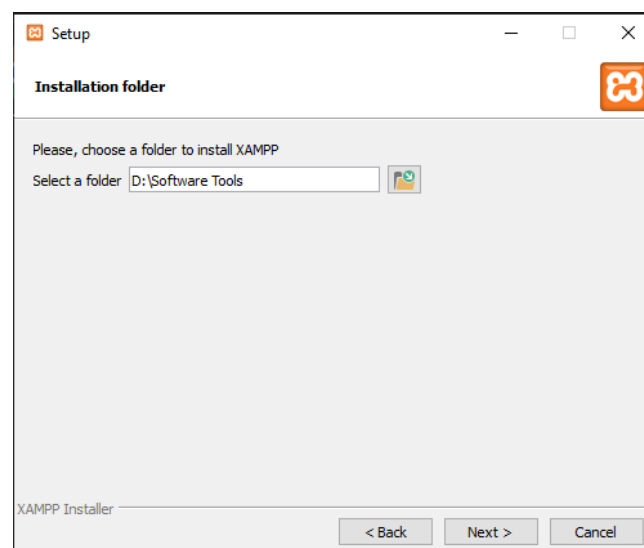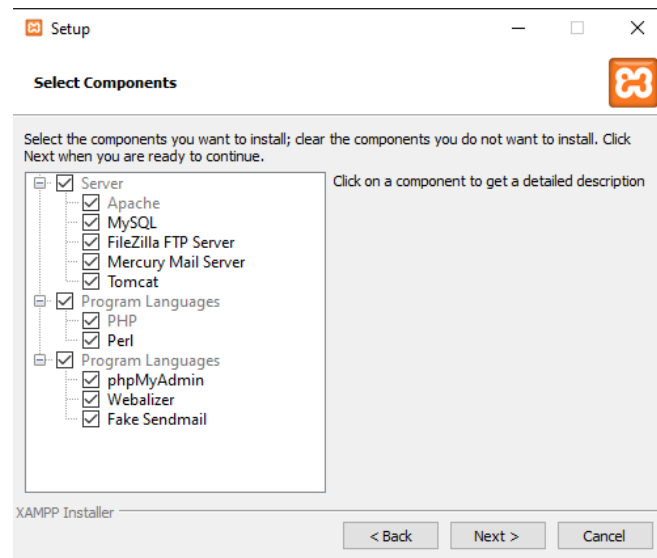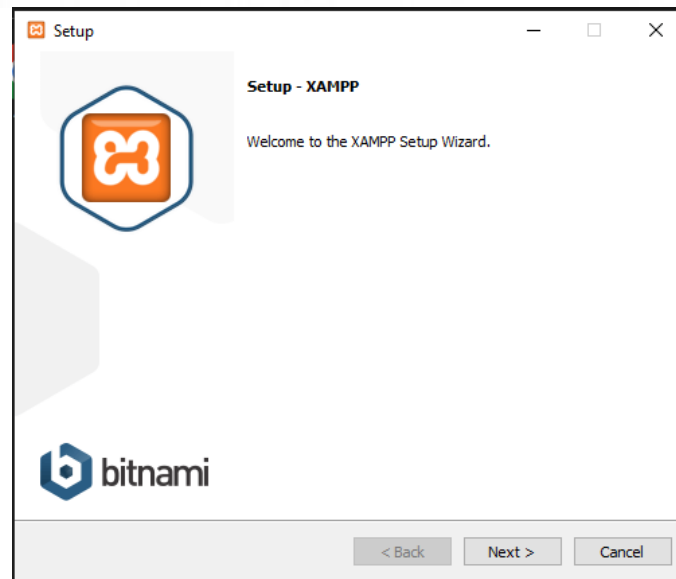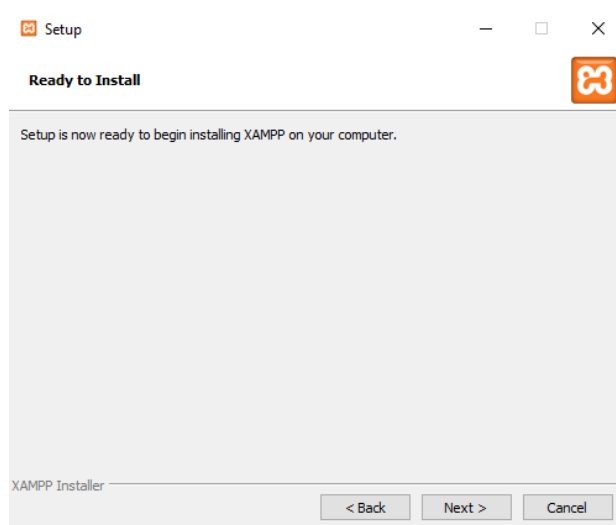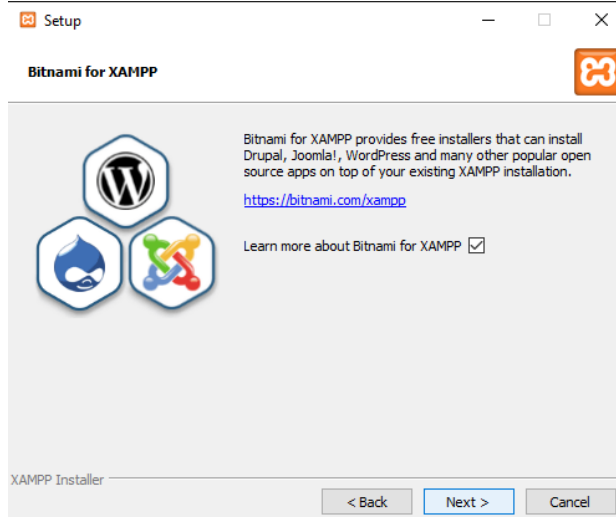
M-Mac(ios)

A-Apache (Web Server)

M-Mysql/MariaDB (Database)

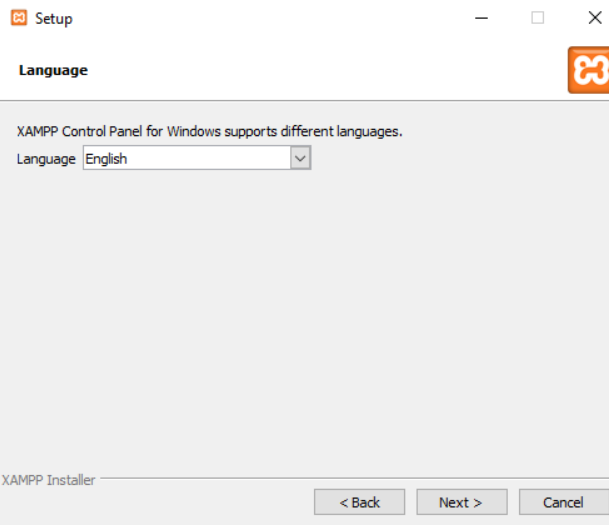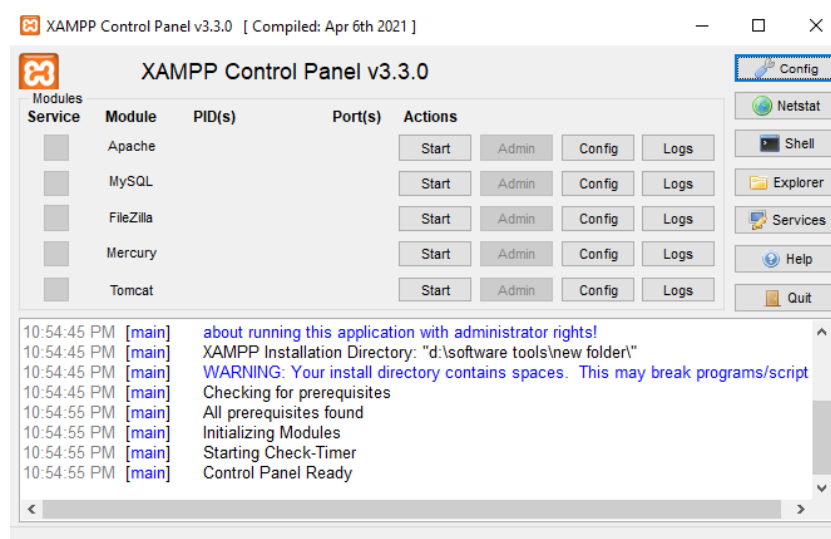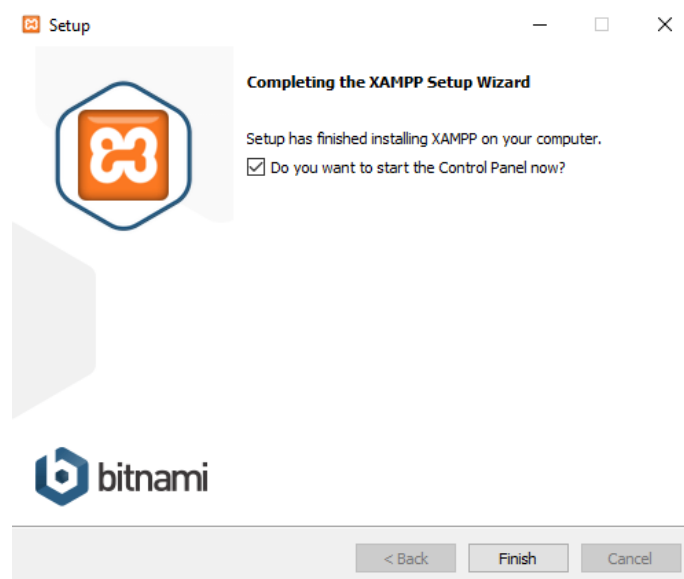P-PHP (Server Side Scripting Language)
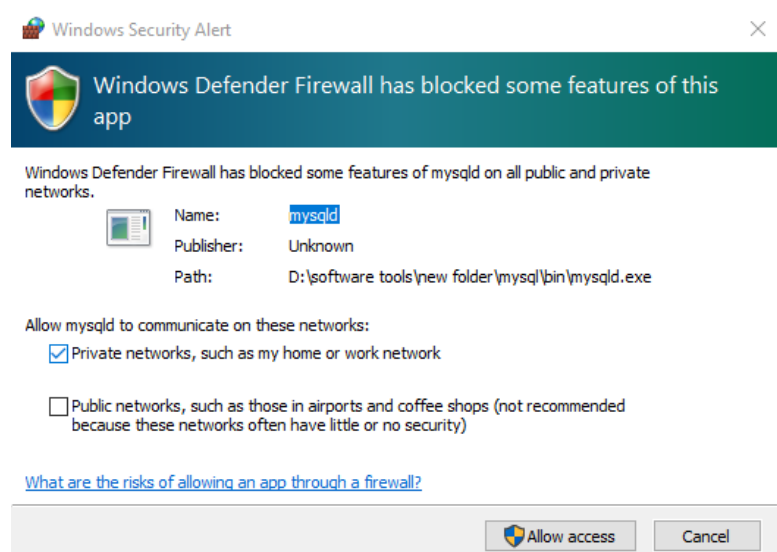
P-Perl (Server Side Scripting Language)

OUTPUT:

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Windows Security Alert ✕

Windows Defender Firewall has blocked some features of this app

Windows Defender Firewall has blocked some features of Apache HTTP Server on all public and private networks.

Name: Apache HTTP Server
Publisher: Apache Software Foundation
Path: D:\software tools\new folder\apache\bin\httpd.exe

Allow Apache HTTP Server to communicate on these networks:
☑ Private networks, such as my home or work network

☐ Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)

What are the risks of allowing an app through a firewall?

Allow access   Cancel

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

XAMPP Control Panel v3.3.0   🔧 Config

Modules Service	Module	PID(s)	Port(s)	Actions				
	Apache	9620 3648	80, 443	Stop	Admin	Config	Logs	
	MySQL			Start	Admin	Config	Logs	
	FileZilla			Start	Admin	Config	Logs	
	Mercury			Start	Admin	Config	Logs	
	Tomcat			Start	Admin	Config	Logs	

🌐 Netstat
▣ Shell
📁 Explorer
🗔 Services
❓ Help
🛑 Quit

10:54:45 PM [main]   Checking for prerequisites
10:54:55 PM [main]   All prerequisites found
10:54:55 PM [main]   Initializing Modules
10:54:55 PM [main]   Starting Check-Timer
10:54:55 PM [main]   Control Panel Ready
10:55:42 PM [Apache]   Attempting to start Apache app...
10:55:42 PM [Apache]   Status change detected: running

Windows Security Alert ✕

Windows Defender Firewall has blocked some features of this app

Windows Defender Firewall has blocked some features of mysqld on all public and private networks.

Name: mysqld
Publisher: Unknown
Path: D:\software tools\new folder\mysql\bin\mysqld.exe

Allow mysqld to communicate on these networks:
☑ Private networks, such as my home or work network

☐ Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)

What are the risks of allowing an app through a firewall?

Allow access   Cancel

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

XAMPP Control Panel v3.3.0

Service	Module	PID(s)	Port(s)	Actions			
	Apache	9620 3648	80, 443	Stop	Admin	Config	Logs
	MySQL	3932	3306	Stop	Admin	Config	Logs
	FileZilla			Start	Admin	Config	Logs
	Mercury			Start	Admin	Config	Logs
	Tomcat			Start	Admin	Config	Logs

Config
Netstat
Shell
Explorer
Services
Help
Quit

```
10:54:55 PM  [main]     Initializing Modules
10:54:55 PM  [main]     Starting Check-Timer
10:54:55 PM  [main]     Control Panel Ready
10:55:42 PM  [Apache]   Attempting to start Apache app...
10:55:42 PM  [Apache]   Status change detected: running
10:57:33 PM  [mysql]    Attempting to start MySQL app...
10:57:33 PM  [mysql]    Status change detected: running
```