Setup Software for Training

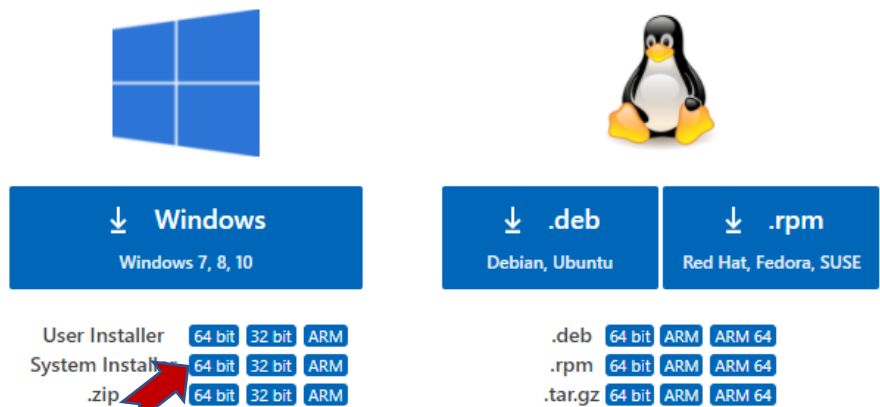## Install Visual Studio Code:

1) Browse to https://code.visualstudio.com/download to download installer
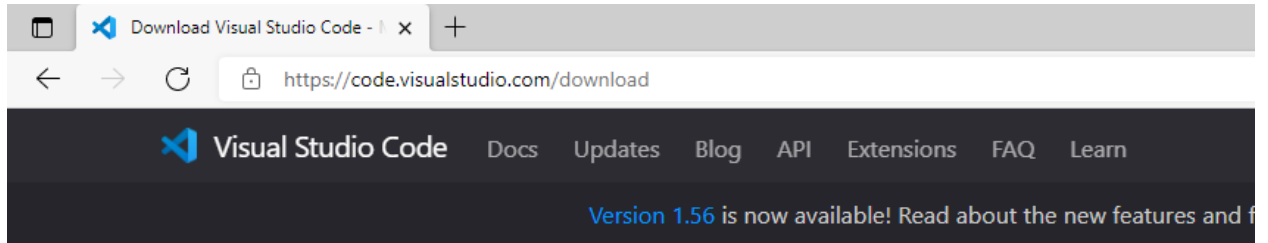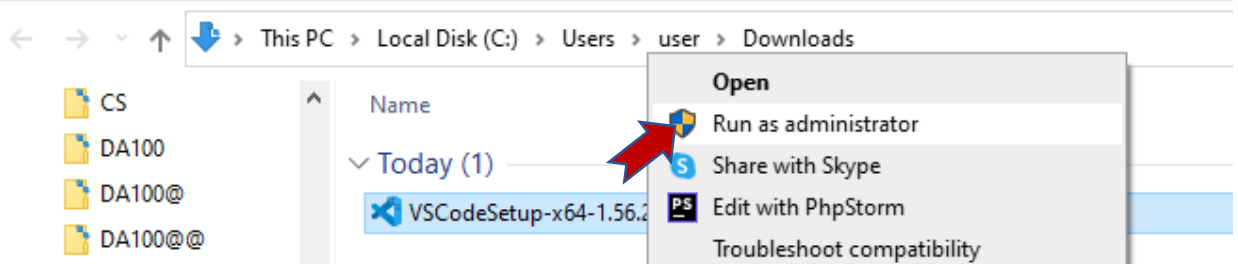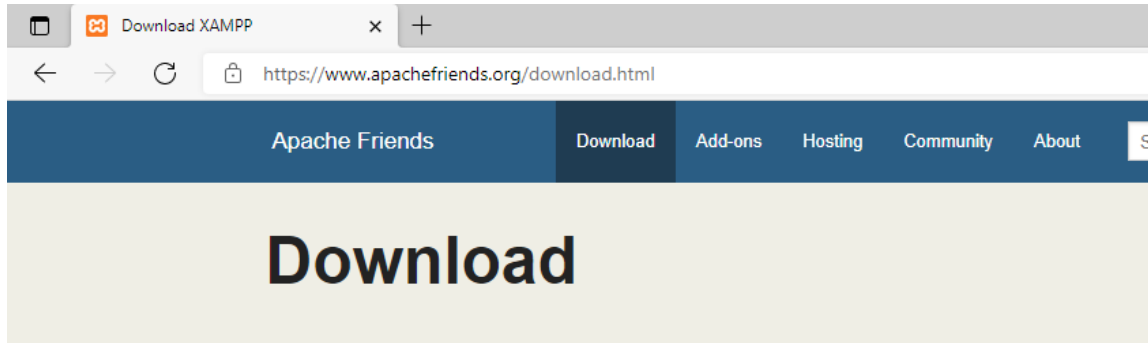

2) Go to the download folder, run the installer:

3) Just complete the installation with all default settings:
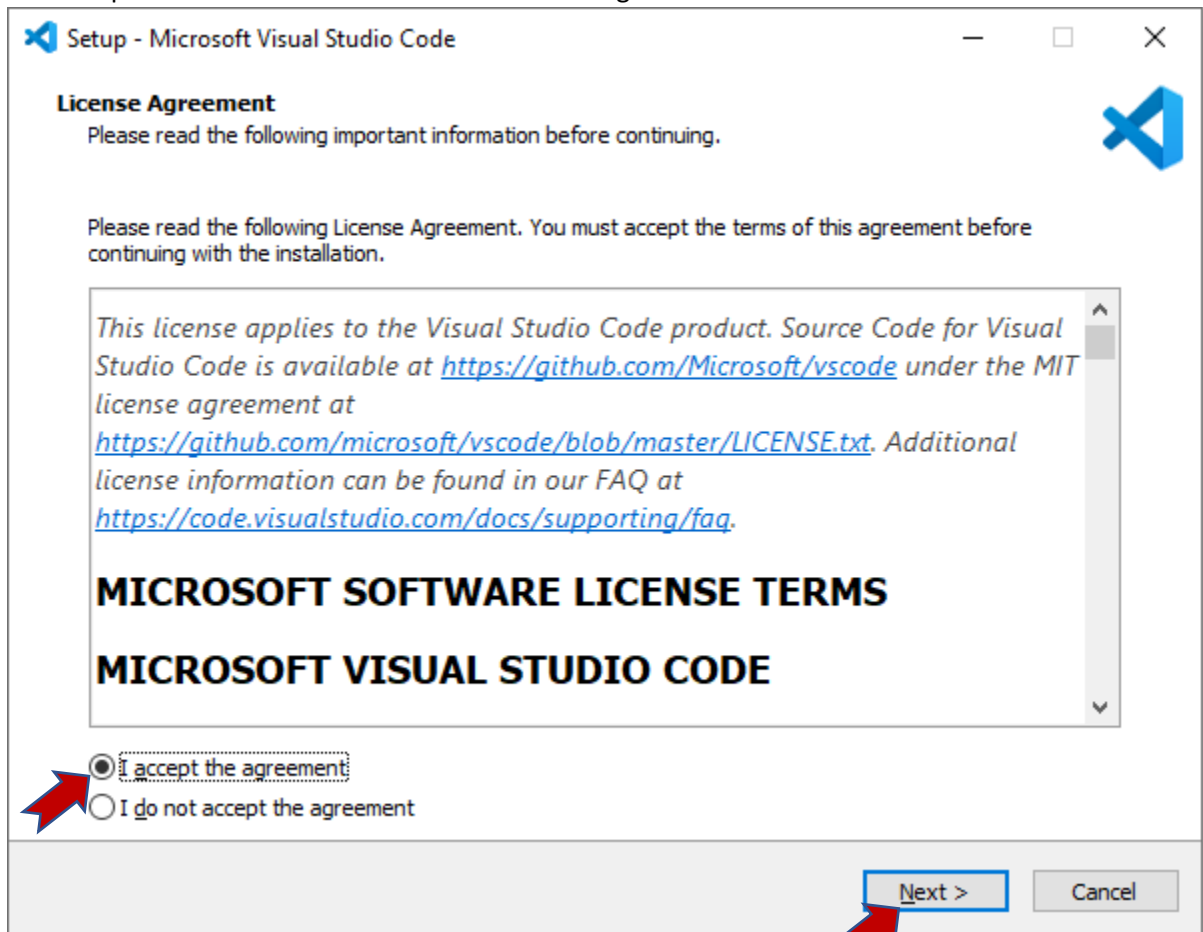
Download XAMPP

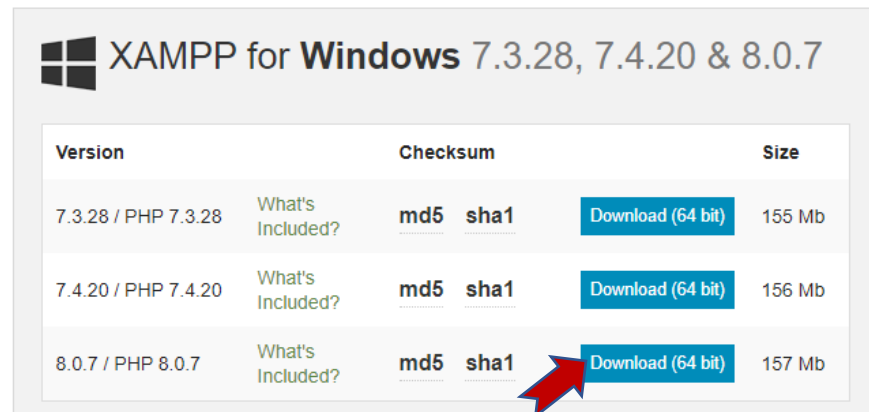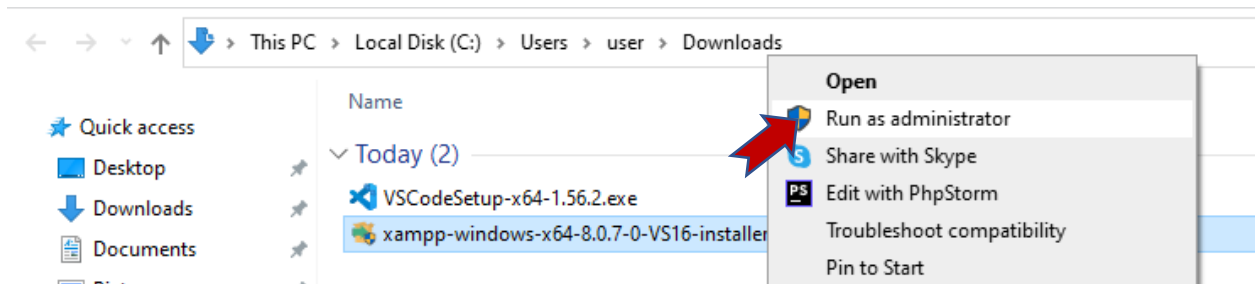1) Browse to https://www.apachefriends.org/download.html to download installer

2) Go to download folder to run the installer

3) If following dialog box appears, just answer **OK**.
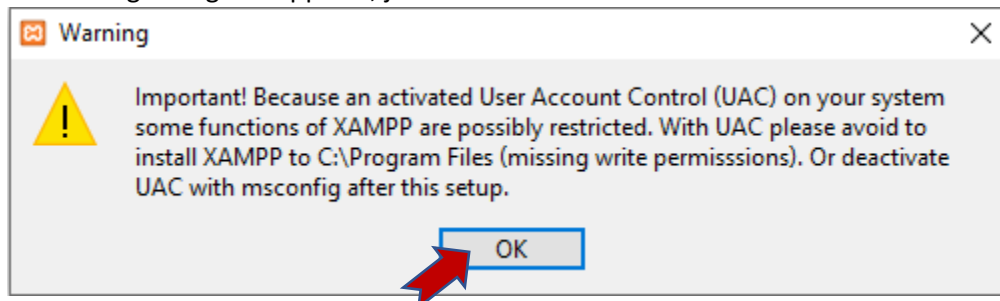
4) Just go **Next**.

5) Ensure all option checked. Go **Next**.

6) Just Go **Next**.
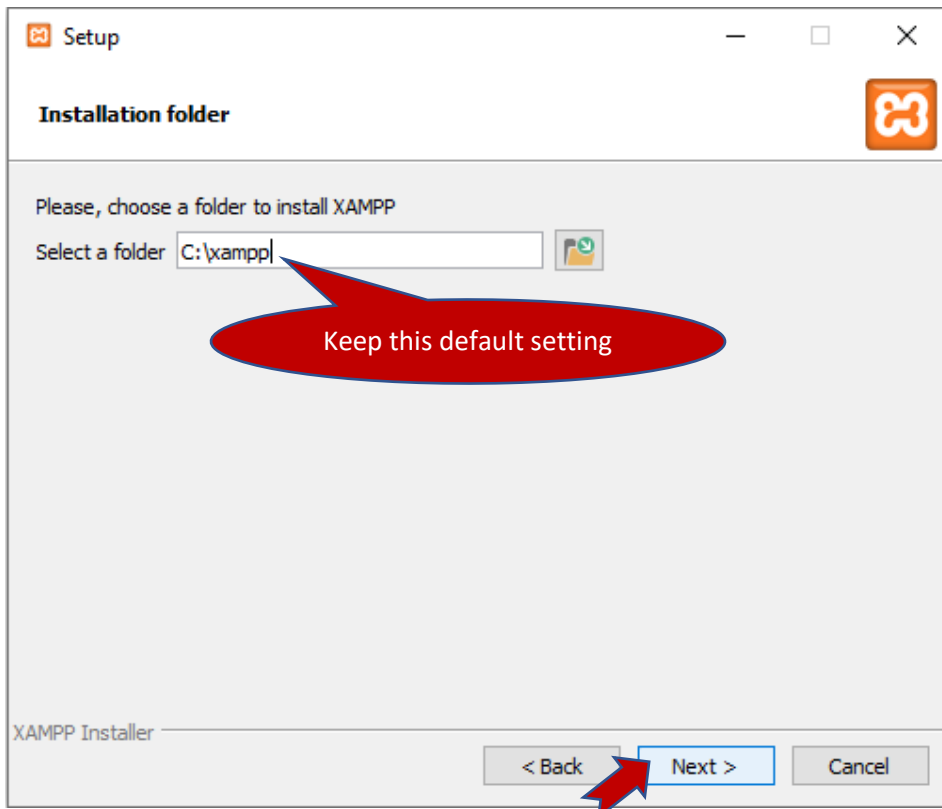
7) Just Go **Next**.
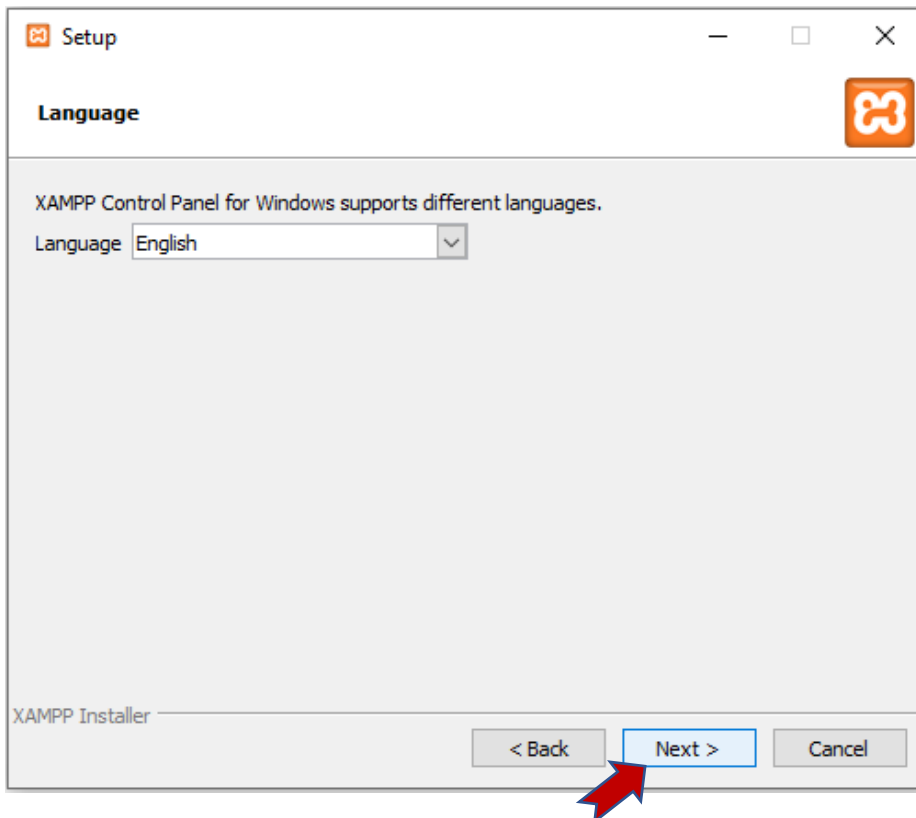
8) Go **Next**.

9) To start the installation, Go **Next**.

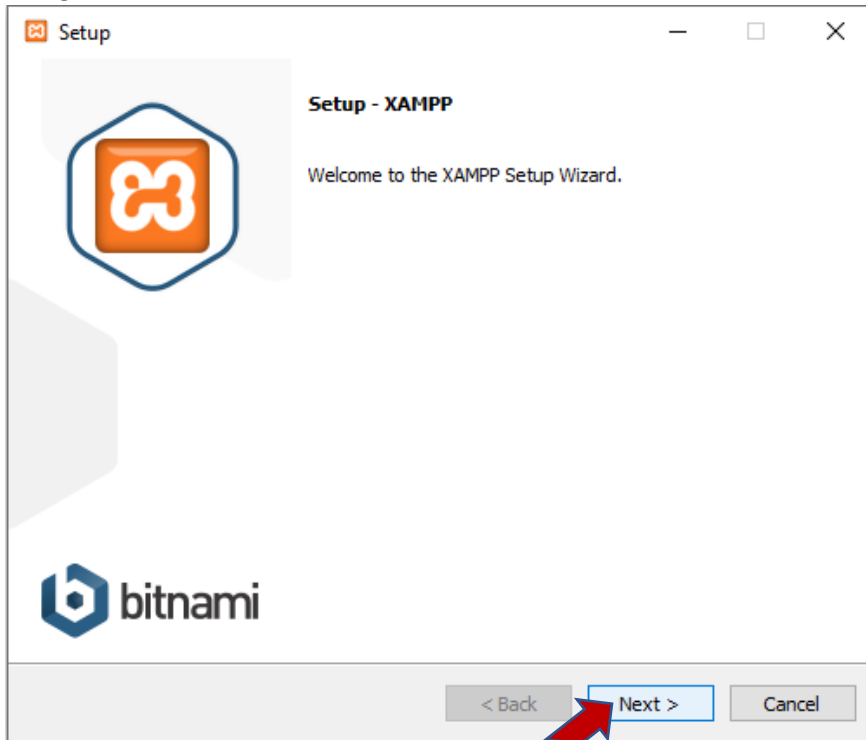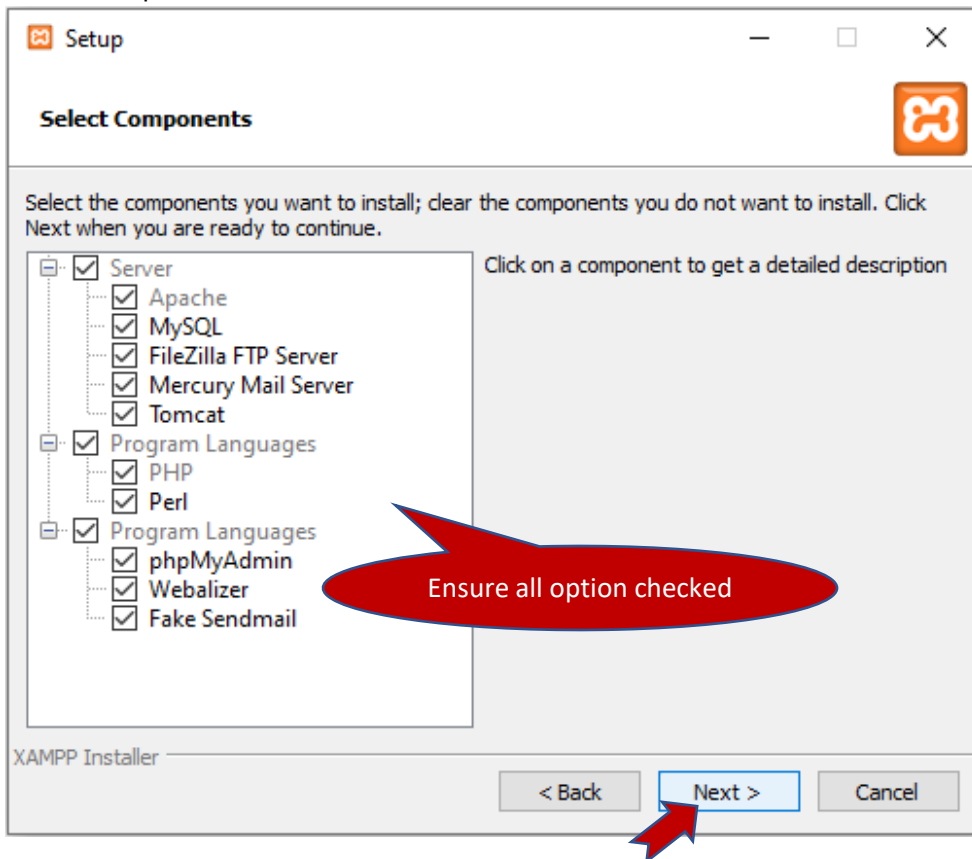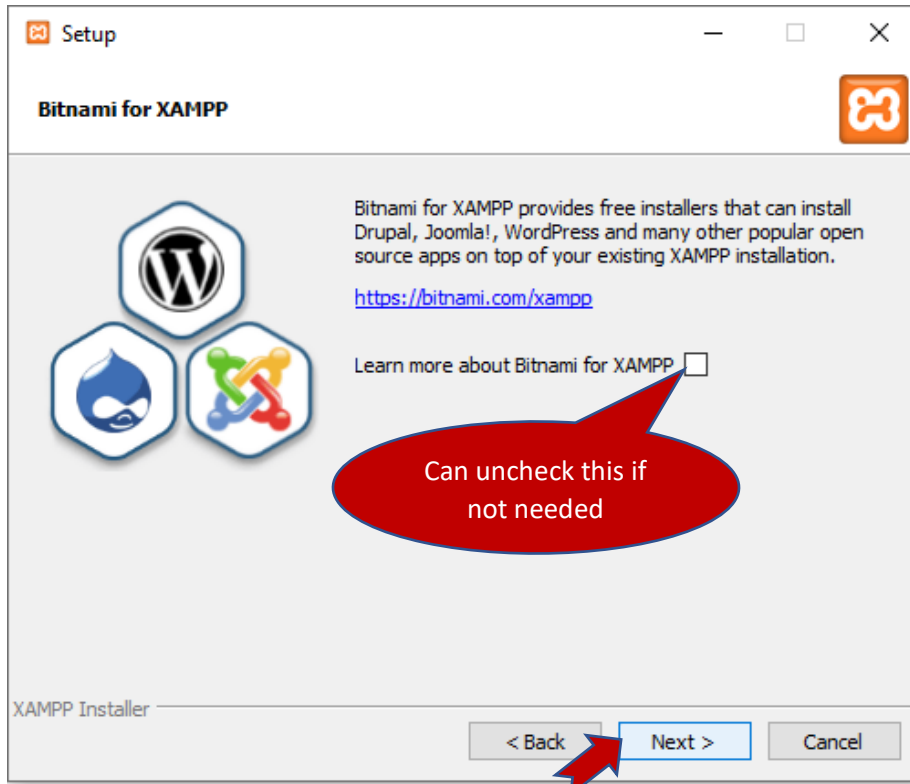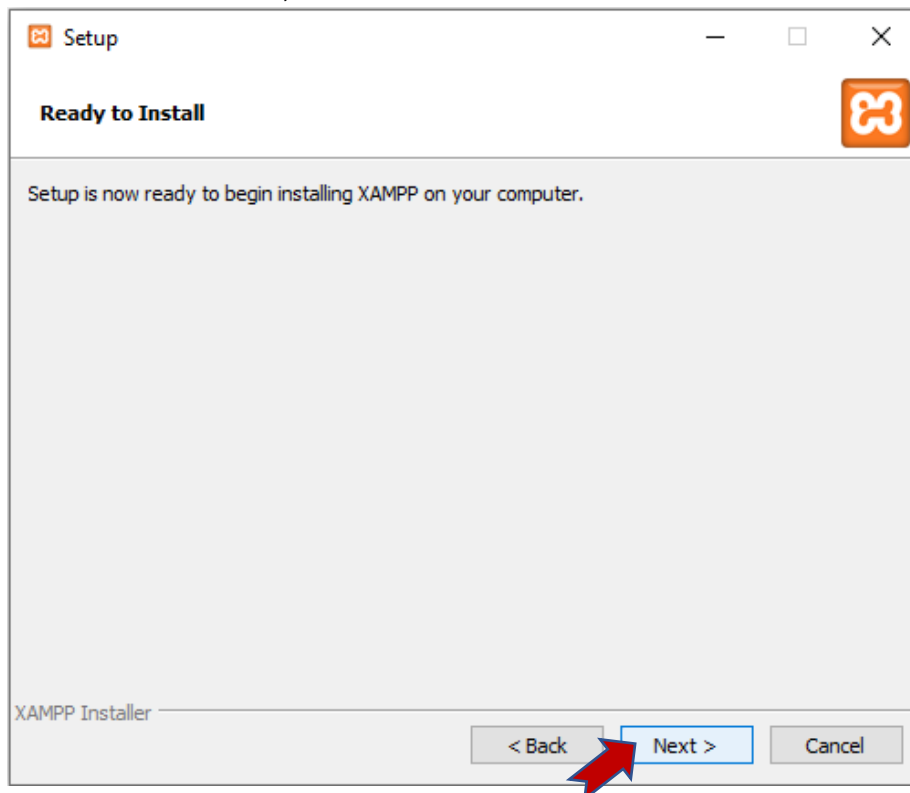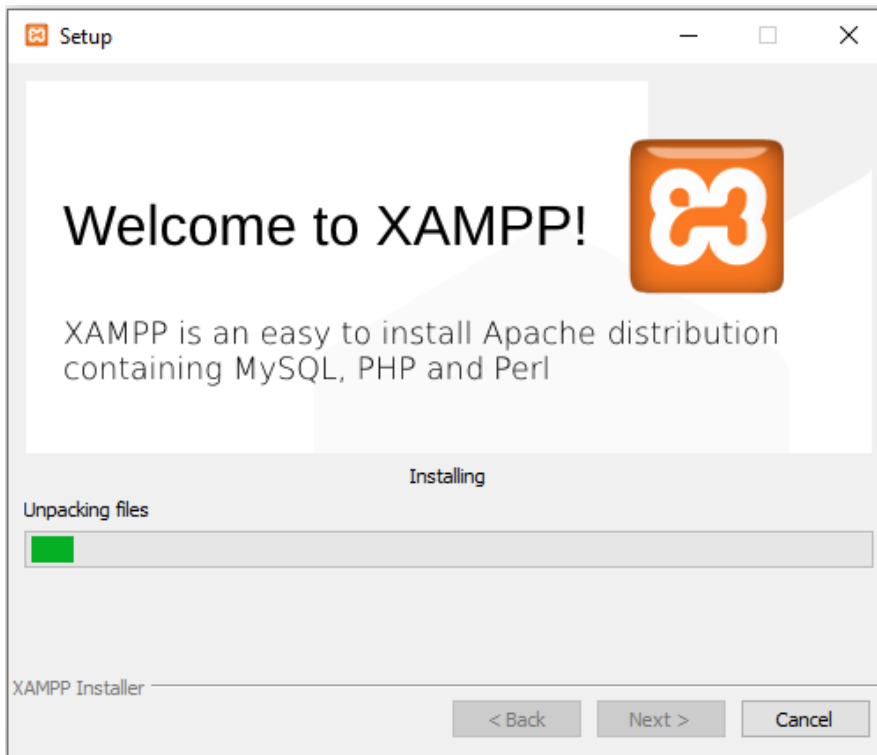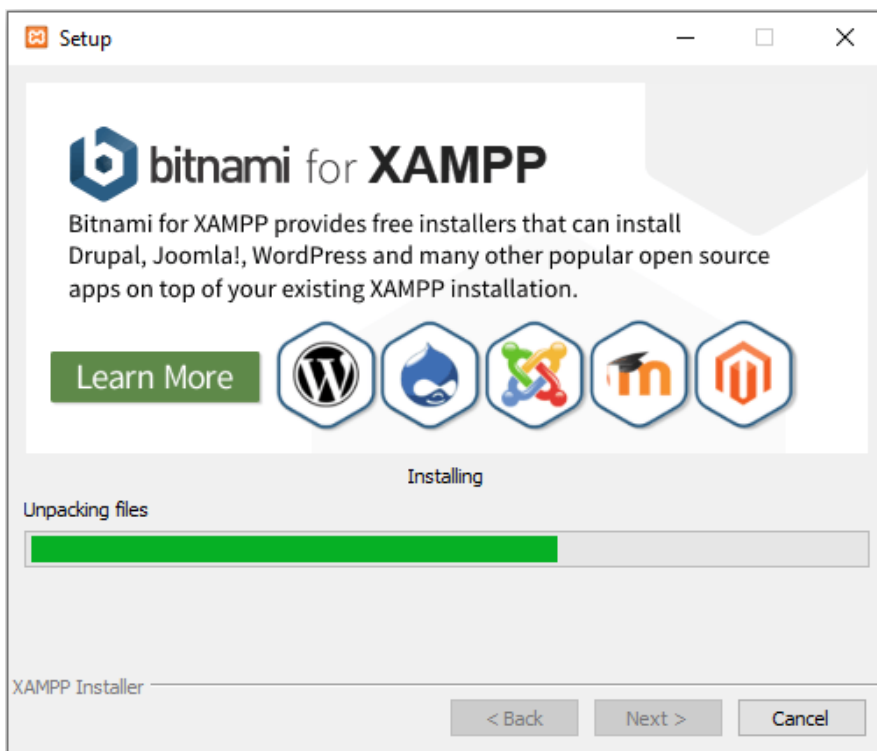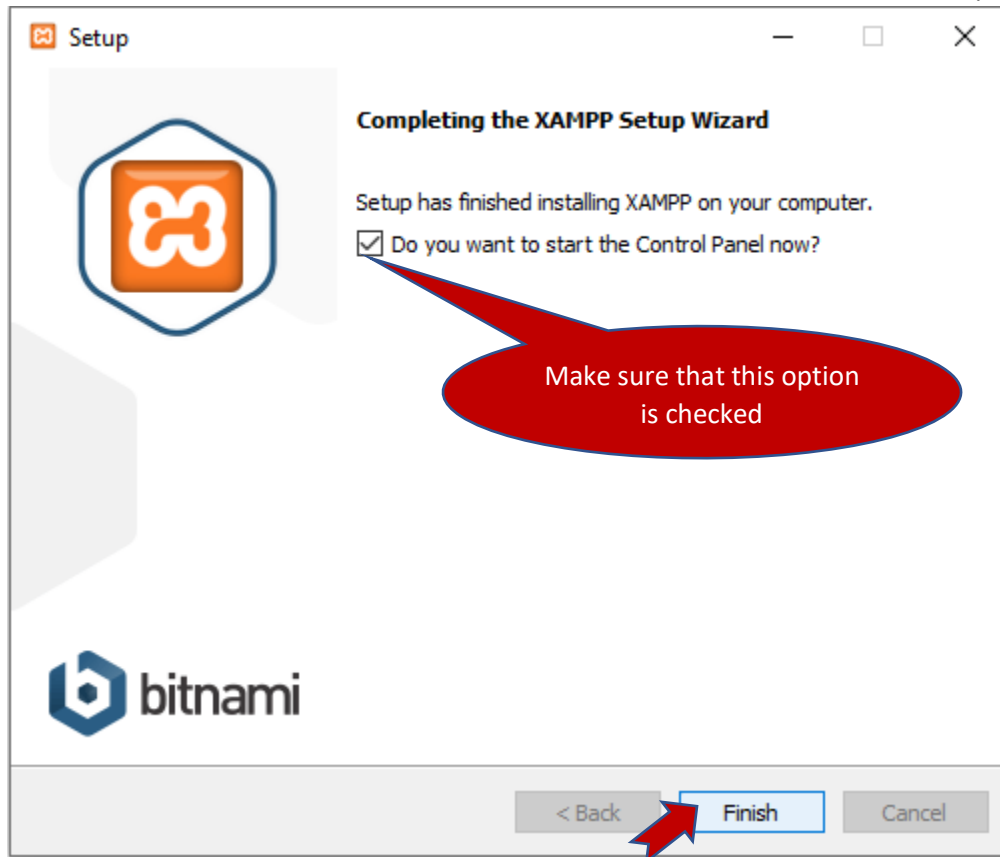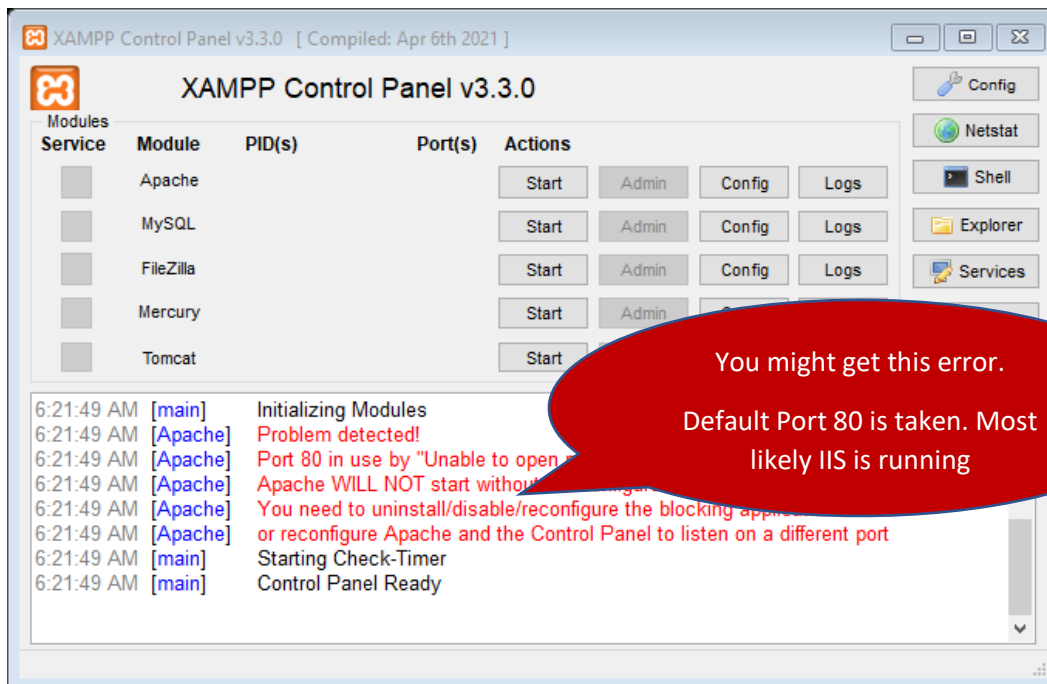10) Installation starts. Wait until it finished.

This will take a while

11) At the end the XAMPP installation, ensure the Start Control Panel is checked, the press **Finish**.
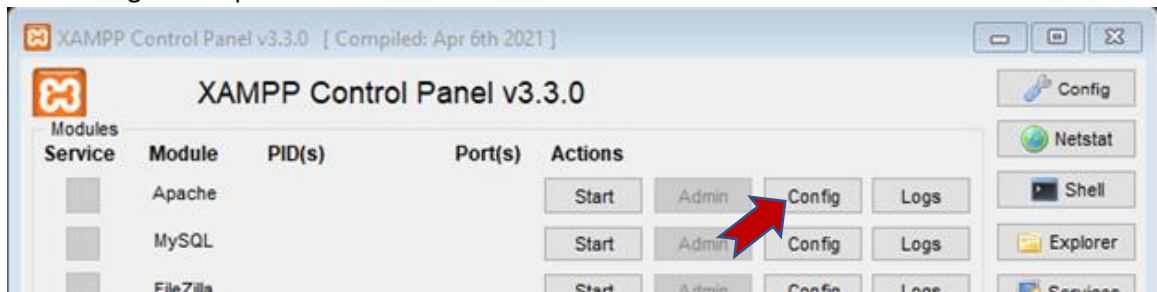

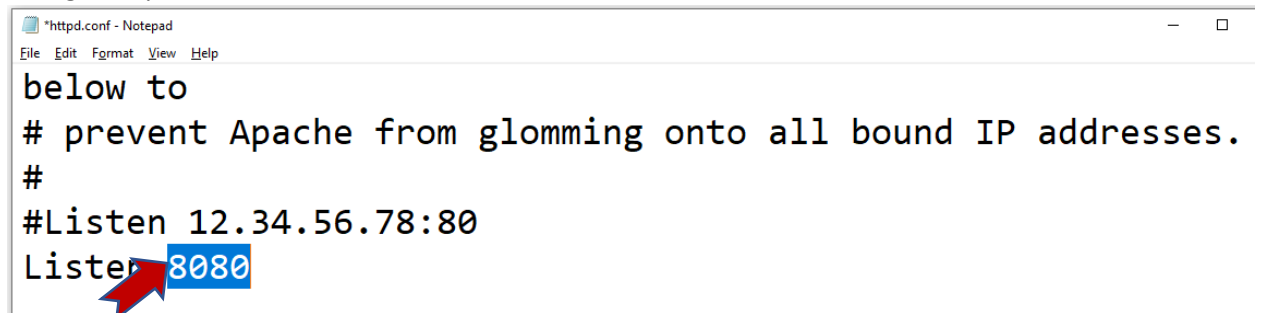12) Wait until the Control Panel is launched.

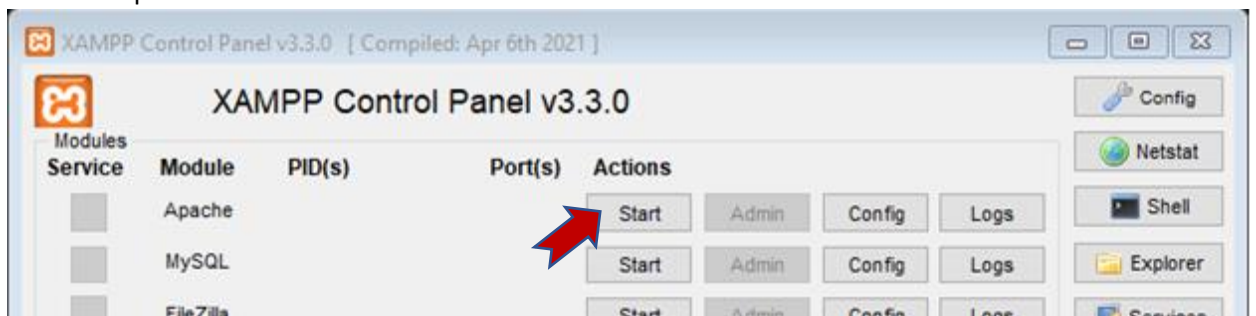However, for this training we will user port 8080 instead.
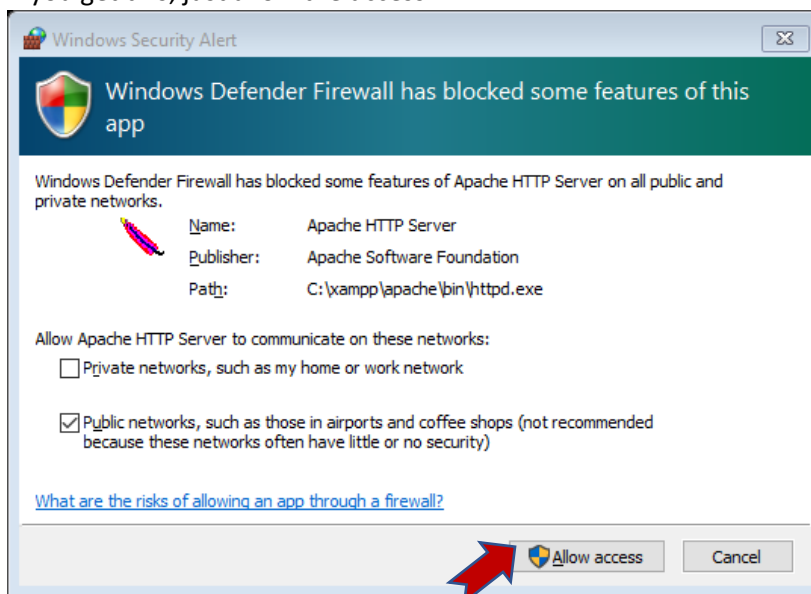
13) Let's configure the port 8080.

14) To change port number, under httpd.conf file, scroll down to find the command Listen, and change the port to 8080. The save the file.


```
*httpd.conf - Notepad
File  Edit  Format  View  Help
below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 8080
```

15) Start the Apache Server

16) If you get this, just allow the access.

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: C:\xampp\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

17) Now, the Apache Server should run.
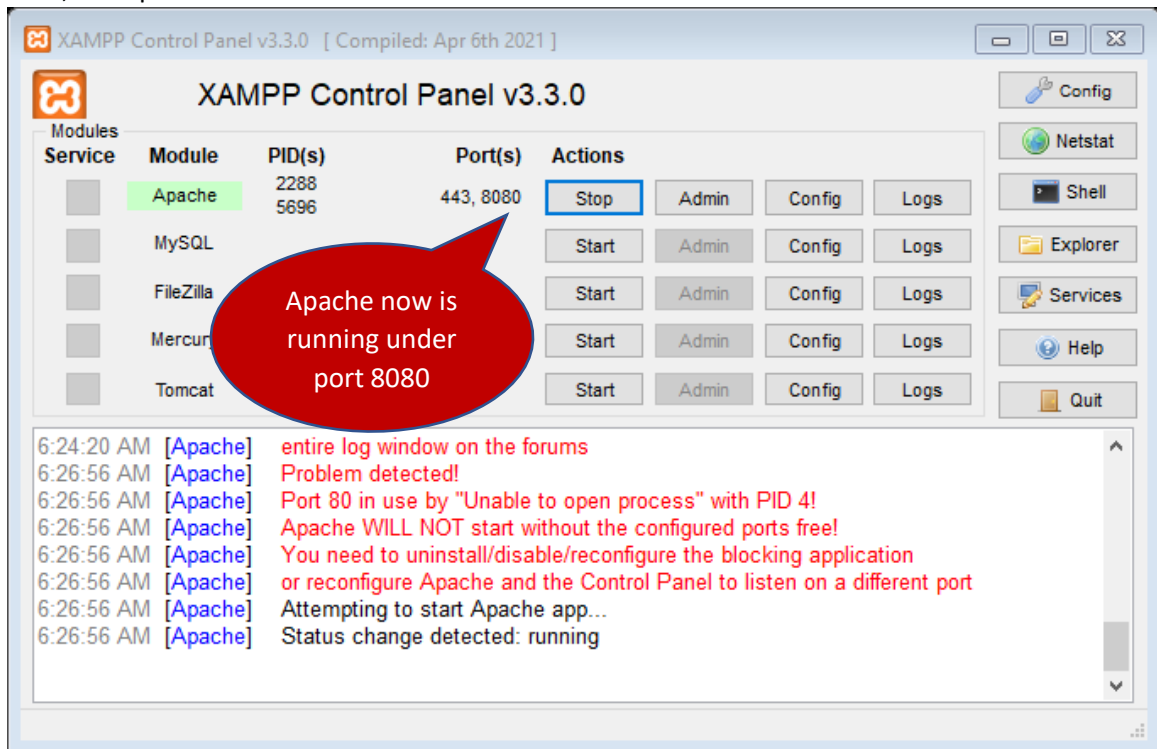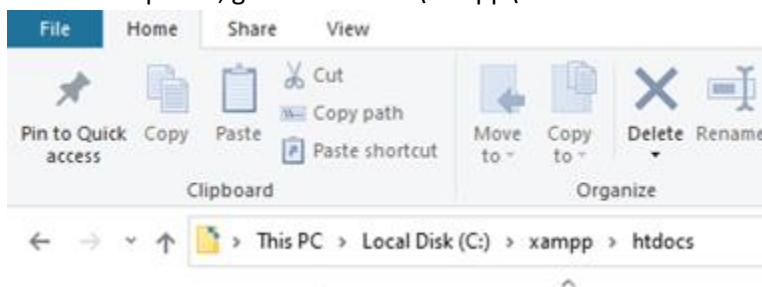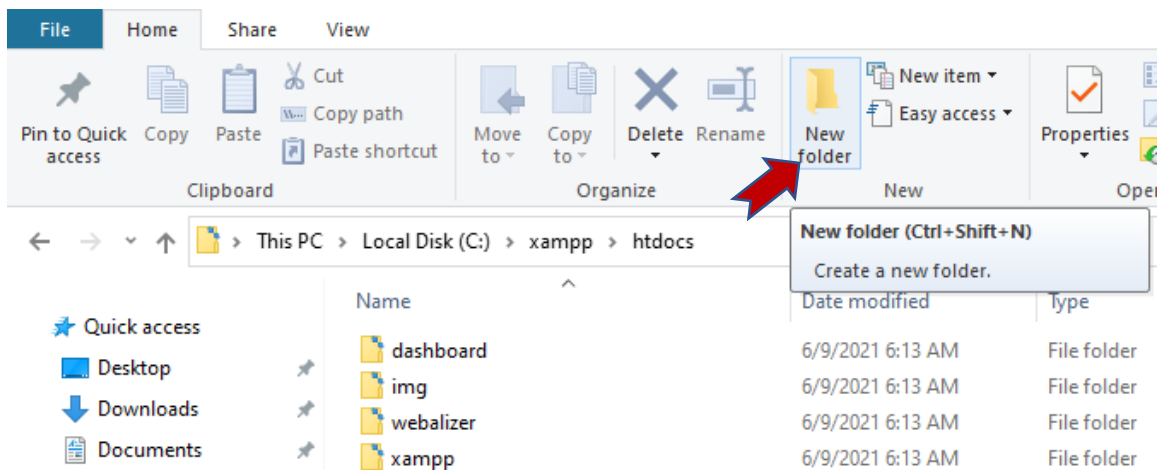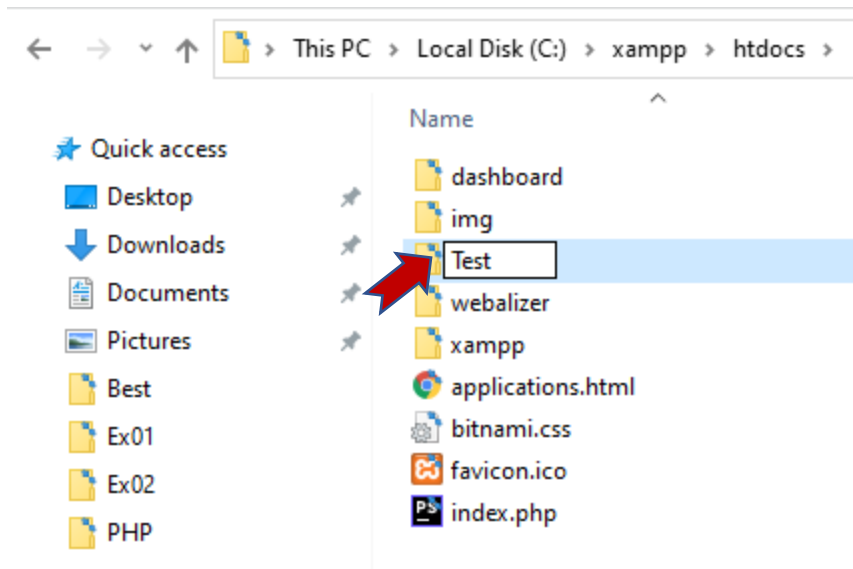

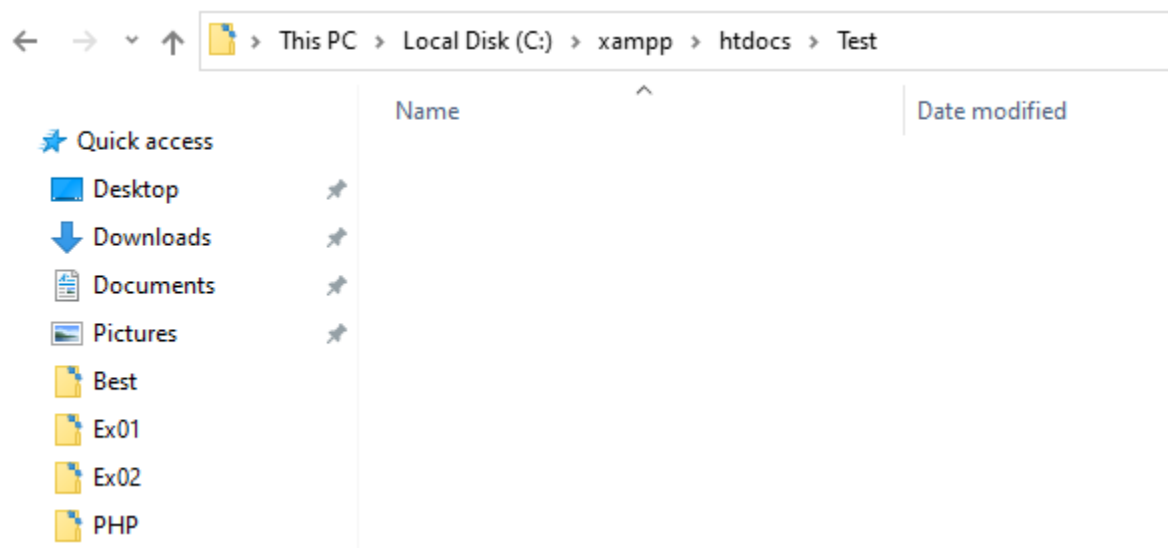18) Start File Explorer, go to folder "C:\xampp\htdocs".
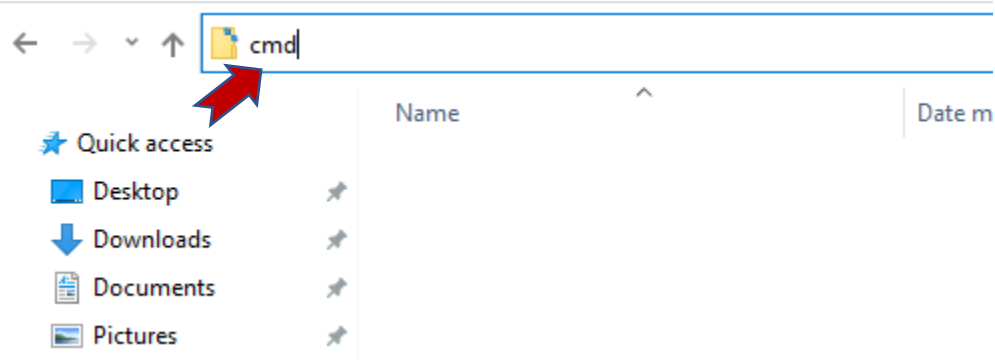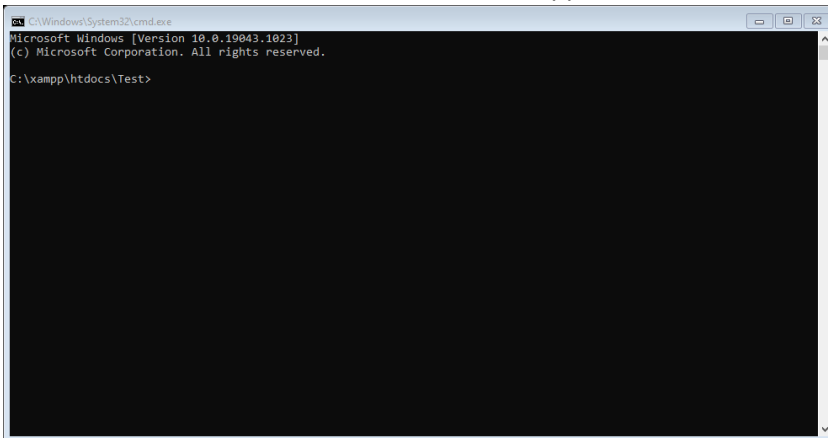

19) Make a new folder "Test".

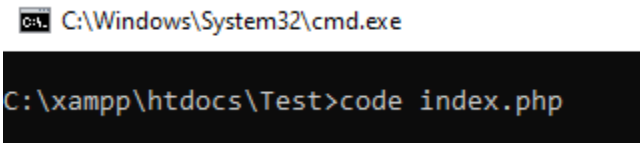20) Go browse in to the newly created test folder

21) Type "cmd" command in the address bar, then press **Enter**.

22) You should be able to see the command box appears.
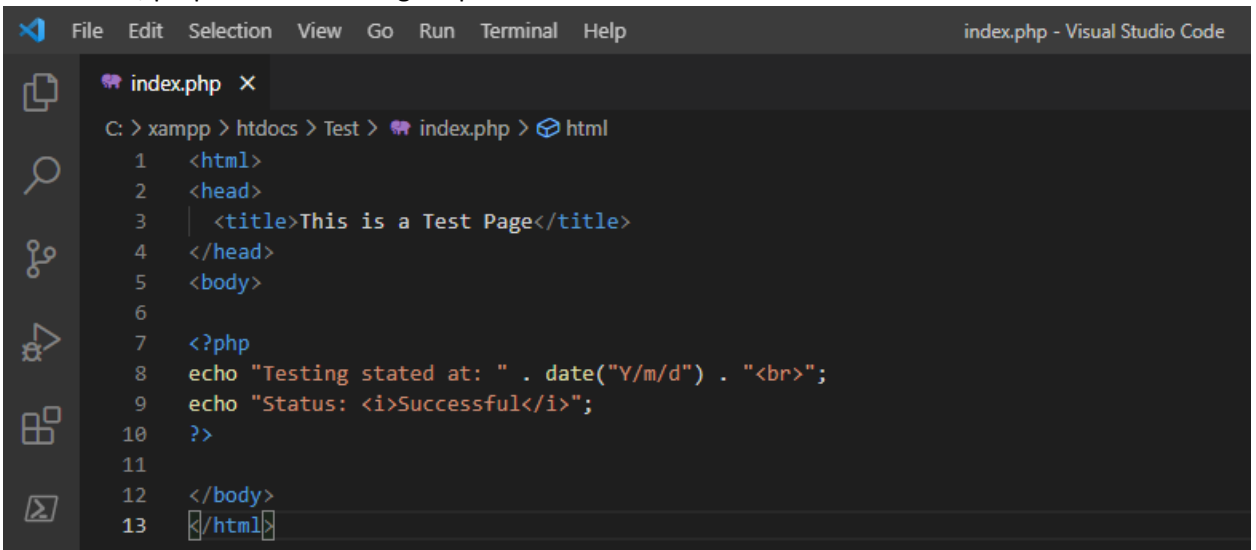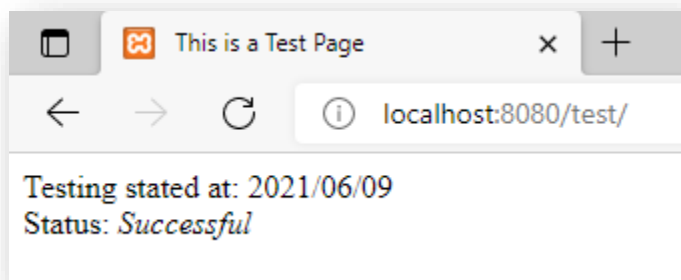

23) Type command "code index.php" then press **Enter.**


```
C:\xampp\htdocs\Test>code index.php
```

24) This will launch Visual Studio Code and create a new file "index.php" under the folder. In the code editor, prepare the following script.


```
1   <html>
2   <head>
3     <title>This is a Test Page</title>
4   </head>
5   <body>
6
7   <?php
8   echo "Testing stated at: " . date("Y/m/d") . "<br>";
9   echo "Status: <i>Successful</i>";
10  ?>
11
12  </body>
13  </html>
```

25) Open any browser, type and **Enter** the url http://localhost:8080/test/.

Testing stated at: 2021/06/09
Status: *Successful*

26) Back to XAMPP Control Panel, **Stop** the Apache Server and **Quit** the Control Panel.