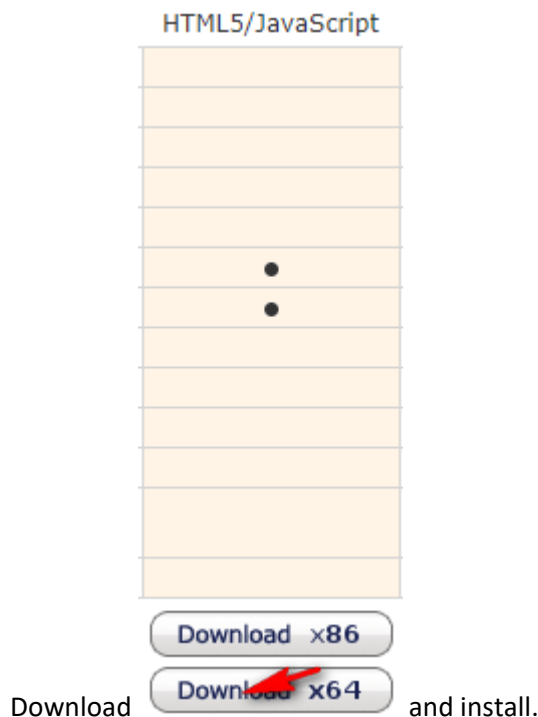


Software Setup

1. Installing NetBeans IDE

Go to <https://netbeans.org/downloads/>



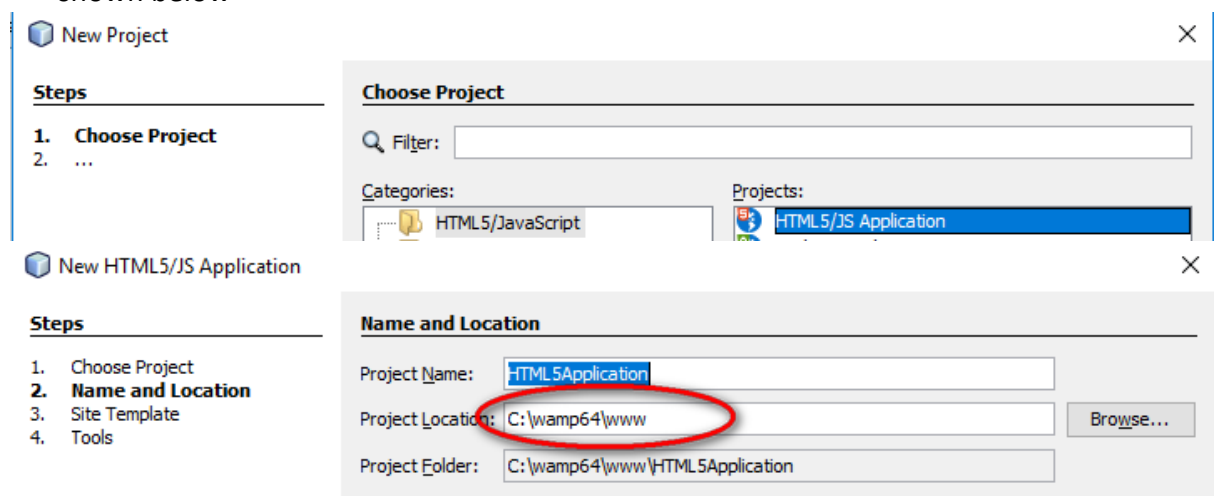
Download and install.

2. Installing WampServer

Go to <https://sourceforge.net/projects/wampserver/> download WampServer and install. Accept all default settings.

3. Setting up NetBeans default project directory

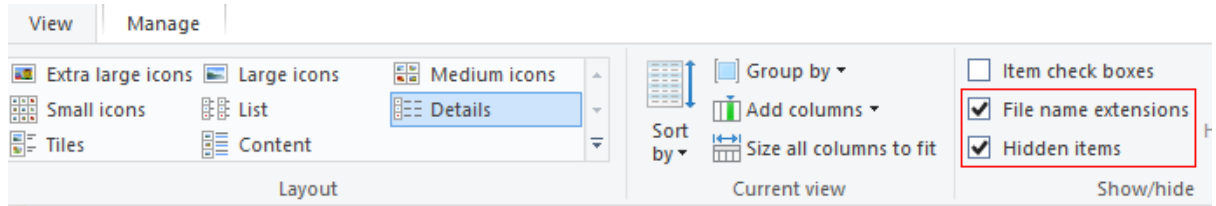
a) Run NetBean at least once and create a new “HTML5/Javascript” project as shown below



Note that your current project location is not “C:\wamp64\www”. This default project location “C:\wamp64\www” is required.

ET0721 – Client Server Application Development

- b) **Closed your NetBean application.**
- c) Launch File Explorer check the settings as shown



- d) Browse to the folder directory as below

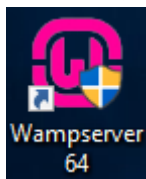
C:\Users\[**user_login_name**]\AppData\Roaming\NetBeans\8.2\config\Preferences\org\netbeans\modules

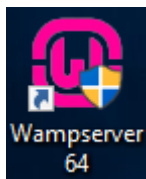
Here [**user_login_name**] is your Windows login user name e.g. if your login user name is "staff" then the folder directory is

C:\Users\Staff\AppData\Roaming\NetBeans\8.2\config\Preferences\org\netbeans\modules

- e) In the folder directory open the file "projectui.properties" with a text editor e.g. Notepad. Note that "projectui.properties" is not present if you skip the step creating a new project as above.
- f) In the text editor, search for "projectsFolder". Change the "projectsFolder" values to "**projectsFolder=C:\\wamp64\\www**". If "projectsFolder" is not present, type in manually "**projectsFolder=C:\\wamp64\\www**".
- g) **Make use that NetBean application is closed.** Save "projectui.properties".
- h) Launch NetBean and check that your project location is "C:\\wamp64\\www". If not repeat the above steps again.

4. Testing WampServer



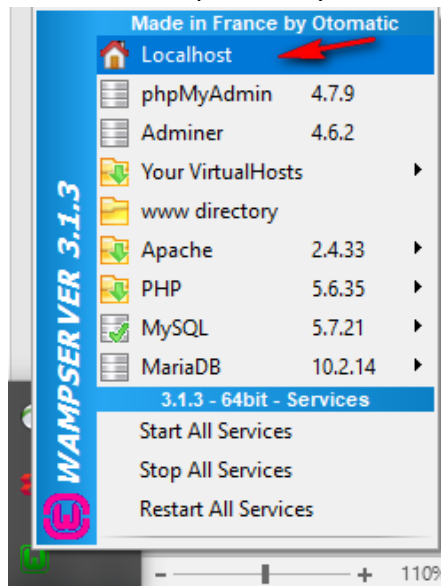
- a) Click  to launch WampServer.
- b) On the taskbar status check that the WampServer symbol is all **green** in colour.

ET0721 – Client Server Application Development

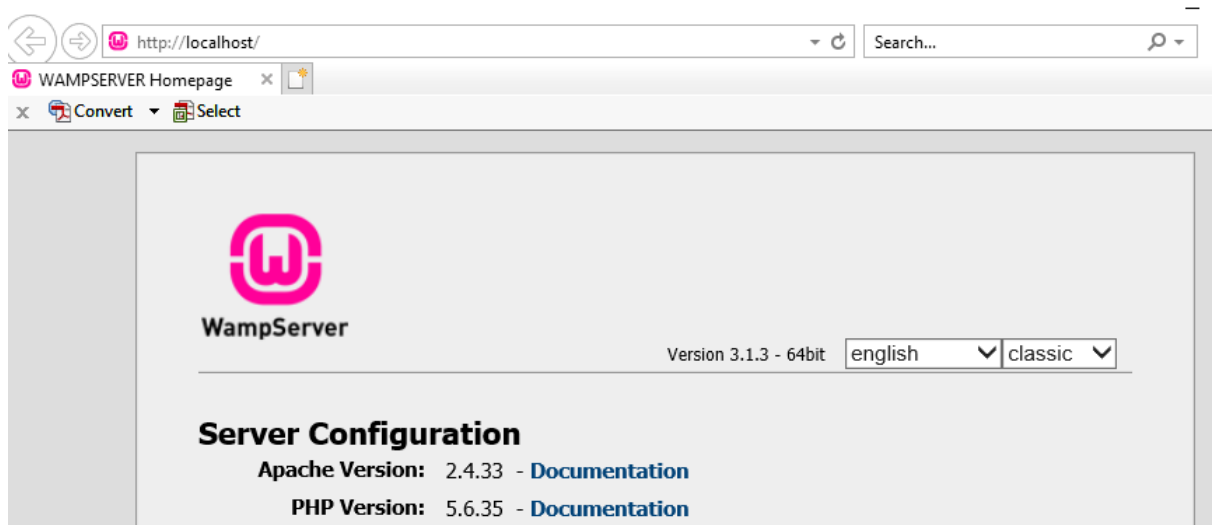


If the symbol is **orange**, at least one service is not working and is usually the **Apache web service port 80** that is not working. As it is a case by case software conflict, you need to google search to resolve the problem. Example of search string “wamp apache not starting”, “wamp server not turning green windows 10” etc.

- c) Click the WampServer symbol in the taskbar and click localhost.



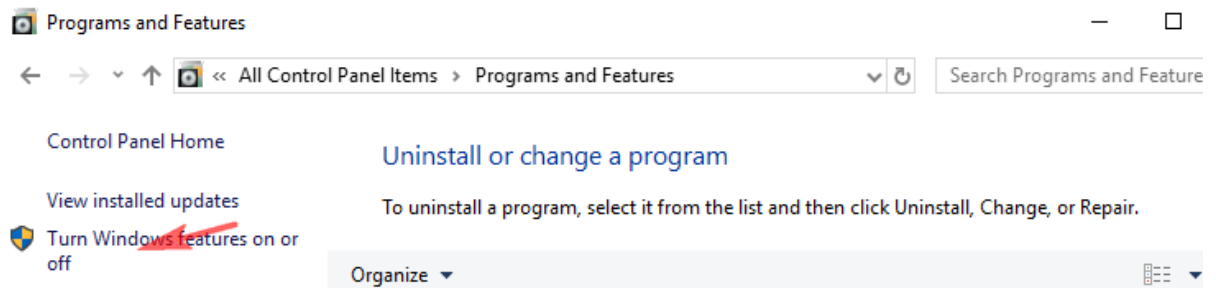
If the localhost webpage is displayed as shown, then WampServer Apache server is working fine.



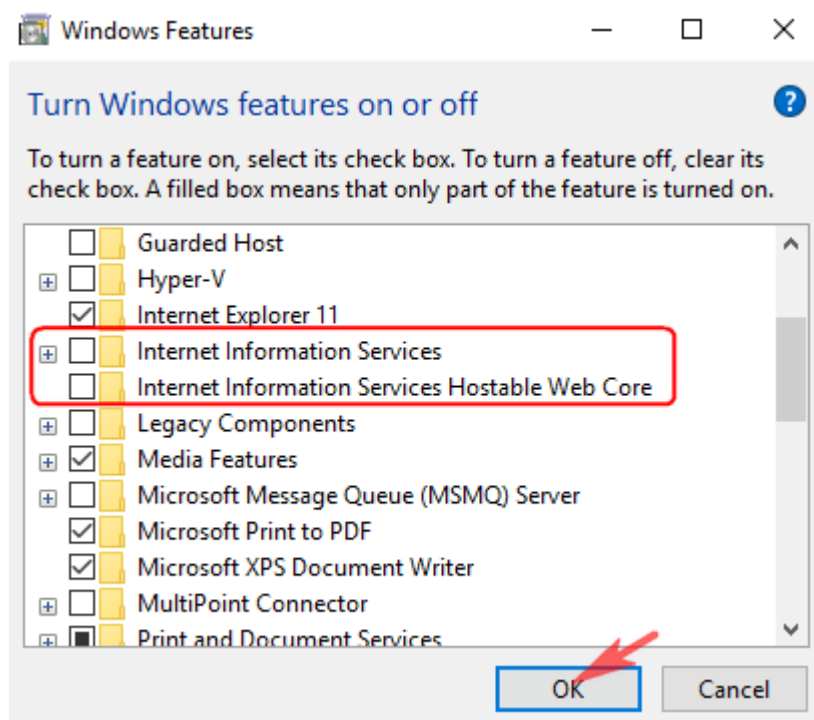
ET0721 – Client Server Application Development

5. Disable IIS (Internet Information Services) To Resolve Port 80 Conflict

- a) Run appwiz.cpl to bring up Programs and Features.
- b) Choose "Turn Windows Features On/Off"



- c) Uncheck "Internet Information Services" and "Internet Information Services Hostable Web Core" and click "OK".

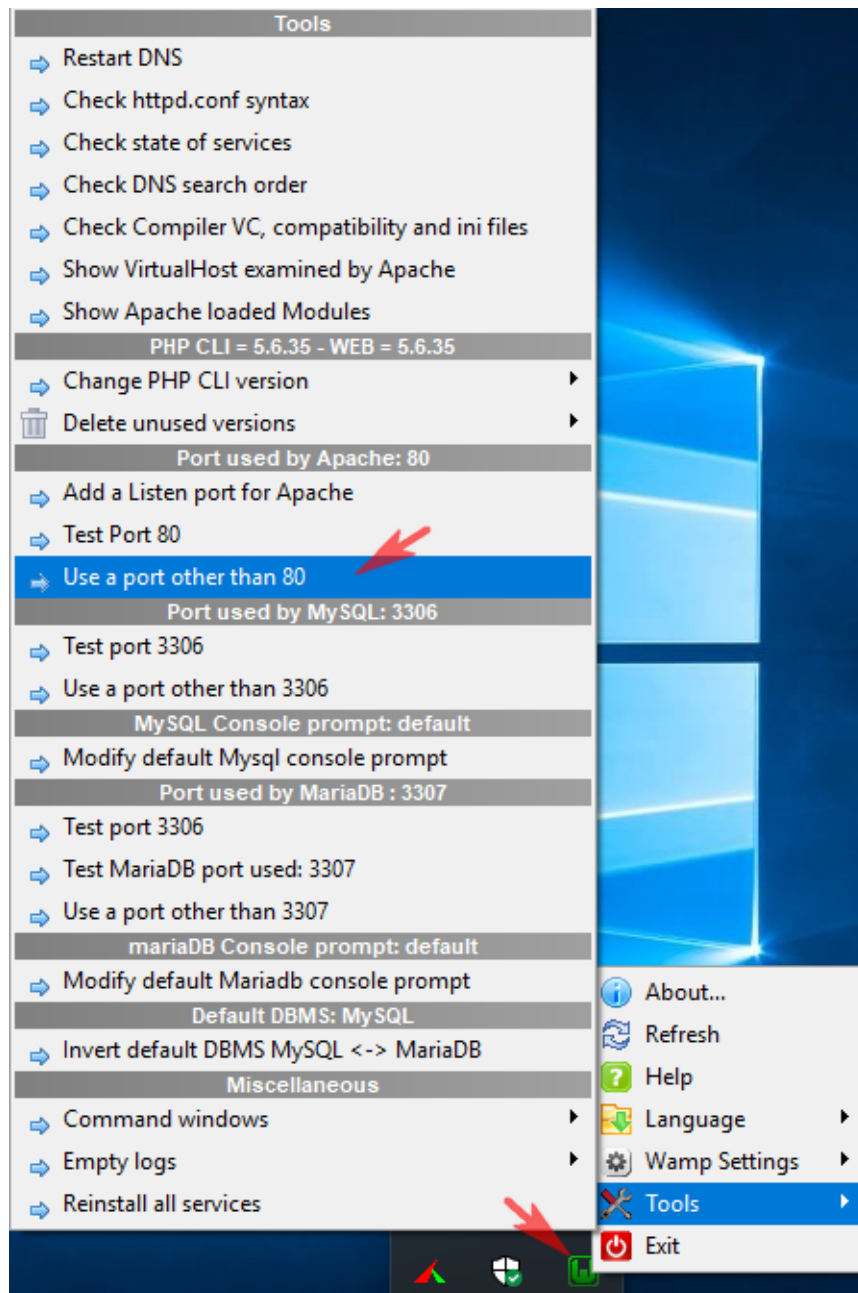


- d) You may need to restart your PC. Restart Wamp to check that the conflict is resolved.

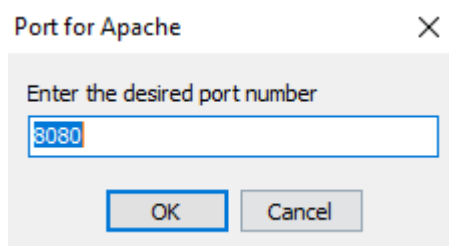
ET0721 – Client Server Application Development

6. Change Apache Server Listening Port

a) Right-click the Wamp symbol on the taskbar, select “Tools” as shown



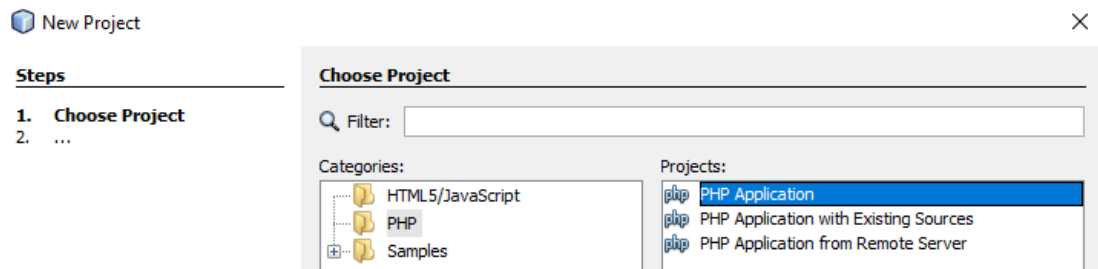
b) Select “Use a port other than 80”. Use the default “8080” and click “OK”.



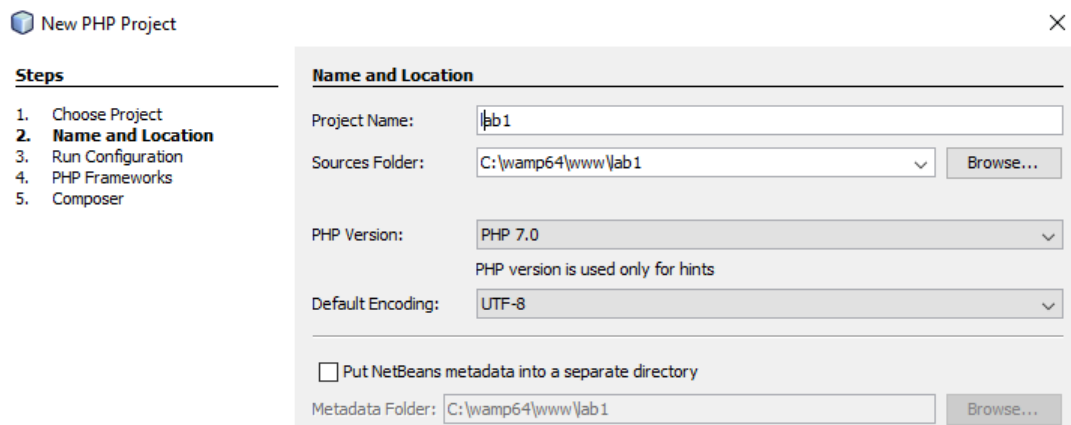
ET0721 – Client Server Application Development

7. Apache Server Listening On Other Service Port

- a) If you have configured your Apache web server to listen on other service port e.g. 8080 instead of the default port 80 then for **PHP project** you need do one more step when creating your project in NetBean.
- b) The following steps assume you have configured 8080 as the listening port
 - i. Choose PHP project type and click Next.



- ii. Provide a project name e.g. lab1. Make sure that your project location is "c:\wamp64\www". Click Next.



- iii. Add on to the "Project URL:" the new listening service port e.g. 8080. Hence add to ""http://localhost/ ", ":8080". Hence new "Project URL:" will be "http://localhost:8080/ ". Click Finish.

