

Question 1

Deploy a website on localhost using either apache2 or nginx. Create a DNS name for this website as 'awesomeweb'. You can use any web template or write your own simple html code. Write a detailed documentation with the steps involved.

Solution:

Steps:

1. HTML File
2. Update httpd.conf
3. Update httpd-vhosts.conf

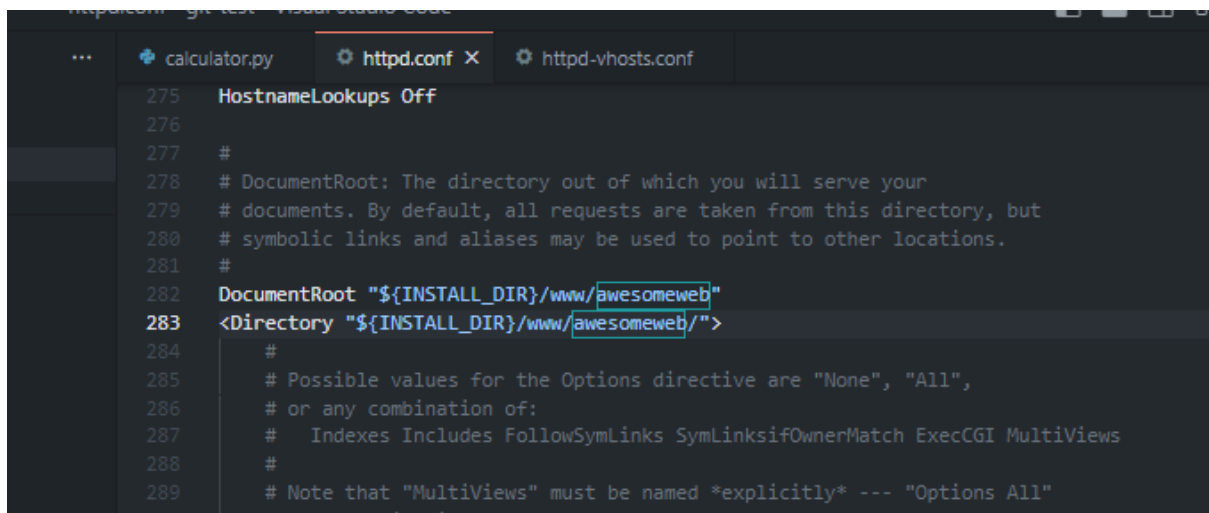
For this Assignment, I have used WAMP SERVER 64



I have copied this HTML file in **D:\herovired\wamp64\www\awesomeweb\index.html**

And Modified the **httpd.conf** file Please refer the below screenshot for reference.

(Path: D:\herovired\wamp64\bin\apache\apache2.4.54.2\conf\httpd.conf)

A screenshot of a code editor showing the 'httpd.conf' file. The editor has tabs for 'calculator.py', 'httpd.conf', and 'httpd-vhosts.conf'. The 'httpd.conf' tab is active, showing lines 275 to 289. The following configuration is visible:

```
275 HostnameLookups Off
276
277 #
278 # DocumentRoot: The directory out of which you will serve your
279 # documents. By default, all requests are taken from this directory, but
280 # symbolic links and aliases may be used to point to other locations.
281 #
282 DocumentRoot "${INSTALL_DIR}/www/awesomeweb"
283 <Directory "${INSTALL_DIR}/www/awesomeweb/">
284     #
285     # Possible values for the Options directive are "None", "All",
286     # or any combination of:
287     #   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
288     #
289     # Note that "MultiViews" must be named *explicitly* --- "Options All"
```

Also, have updated the DNS Name in **httpd-vhosts.conf** file see below path. Please find the below screenshot for reference.

Path: D:\herovired\wamp64\bin\apache\apache2.4.54.2\conf\extra\httpd-vhosts.conf

```
httpd-vhosts.conf - git-test - Visual Studio Code

... calculator.py httpd.conf httpd-vhosts.conf X

1 # Virtual Hosts
2 #
3 <VirtualHost *:80>
4     ServerName awesomeweb
5     ServerAlias awesomeweb
6     DocumentRoot "${INSTALL_DIR}/www/awesomeweb"
7     <Directory "${INSTALL_DIR}/www/awesomeweb/">
8         Options +Indexes +Includes +FollowSymLinks +MultiViews
9         AllowOverride All
10        Require local
11    </Directory>
12 </VirtualHost>
13
```

After these two changes the 3rd change is update the DNS name in the hostfile

```
127.0.0.1 awesomeweb.local
# End of section
127.0.0.1 awesomeweb
#127.0.0.1 localhost
::1 localhost
```

Now refreshed the WAMPSEVER and open the awesomeweb in the browser.

Here is the RESULT BELOW

