

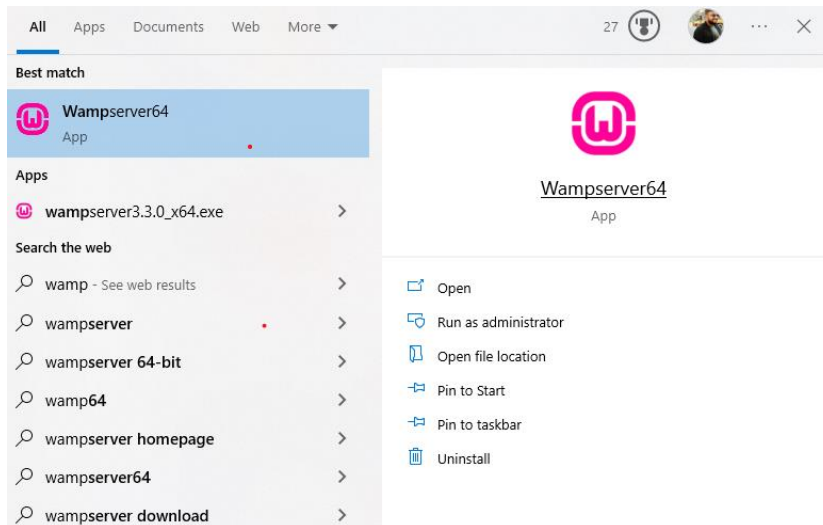
QUESTION 1

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 you want or can write your own simple html code. Write a detailed documentation with steps involved.

SOLUTION :

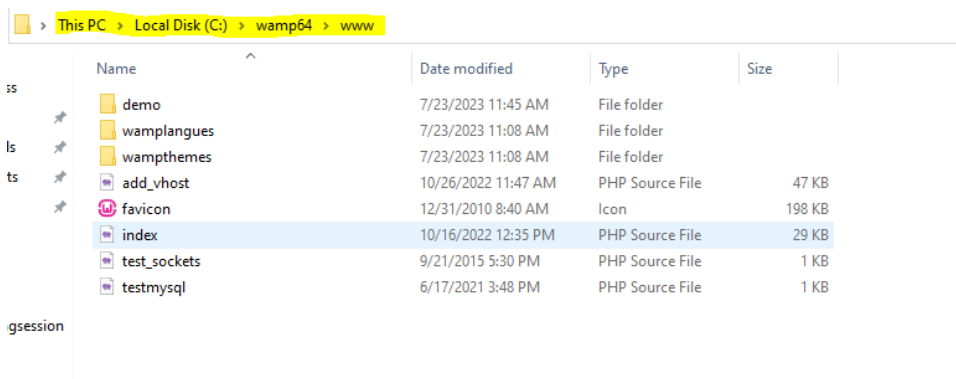
Step 1 : Choose any web template or Create own HTML file

Step 2: Install and start WampServer.

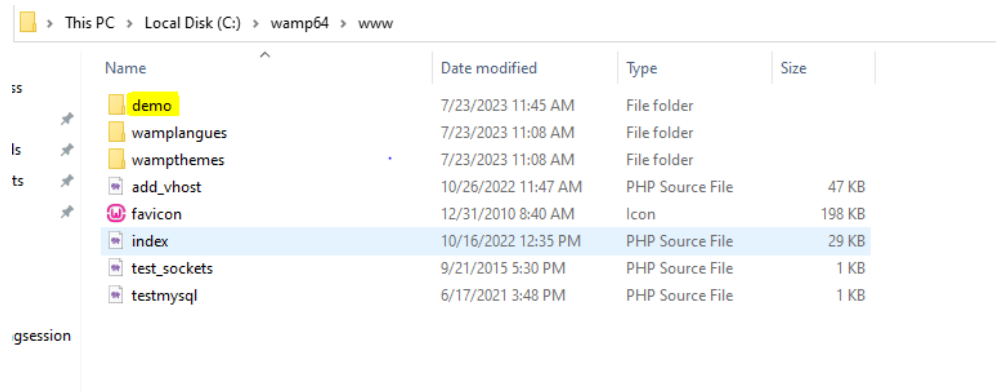


Step 3 : Locate the www directory under your WampServer installation directory

C:\wamp64\www

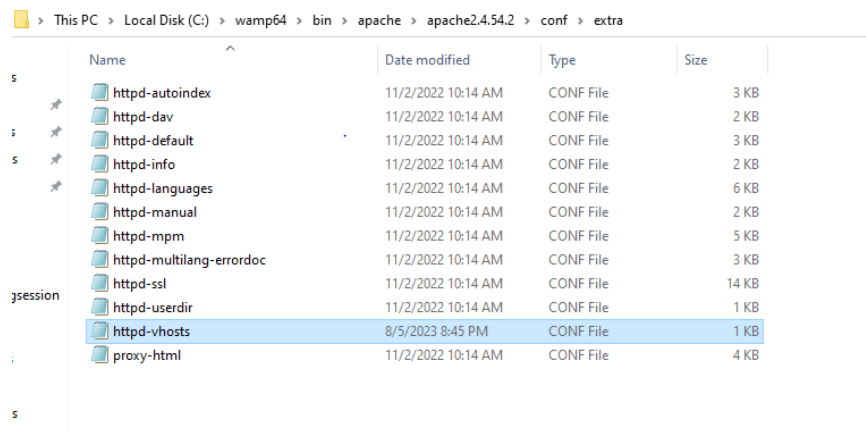


Step 4 : Place your index.html file / the folder of templates in the www directory



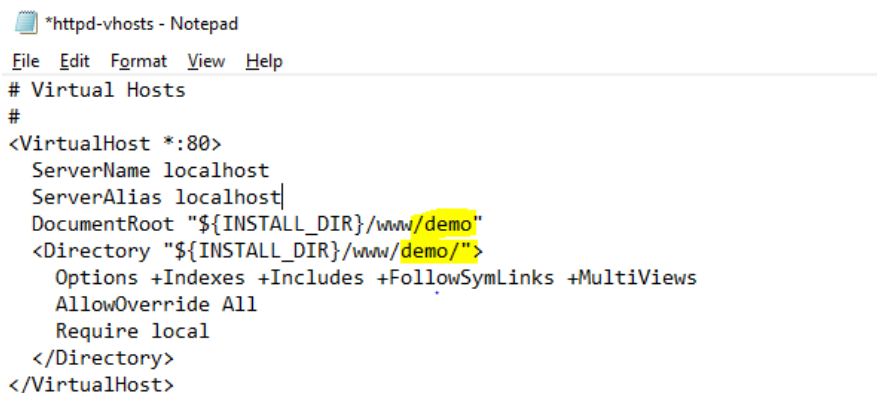
Name	Date modified	Type	Size
demo	7/23/2023 11:45 AM	File folder	
wamplanguages	7/23/2023 11:08 AM	File folder	
wampthemes	7/23/2023 11:08 AM	File folder	
add_vhost	10/26/2022 11:47 AM	PHP Source File	47 KB
favicon	12/31/2010 8:40 AM	Icon	198 KB
index	10/16/2022 12:35 PM	PHP Source File	29 KB
test_sockets	9/21/2015 5:30 PM	PHP Source File	1 KB
testmysql	6/17/2021 3:48 PM	PHP Source File	1 KB

Step 5 : Locate the directory 'C:\wamp64\bin\apache\apache2.4.54.2\conf\extra'



Name	Date modified	Type	Size
httpd-autoindex	11/2/2022 10:14 AM	CONF File	3 KB
httpd-dav	11/2/2022 10:14 AM	CONF File	2 KB
httpd-default	11/2/2022 10:14 AM	CONF File	3 KB
httpd-info	11/2/2022 10:14 AM	CONF File	2 KB
httpd-languages	11/2/2022 10:14 AM	CONF File	6 KB
httpd-manual	11/2/2022 10:14 AM	CONF File	2 KB
httpd-mpm	11/2/2022 10:14 AM	CONF File	5 KB
httpd-multilang-errordoc	11/2/2022 10:14 AM	CONF File	3 KB
httpd-ssl	11/2/2022 10:14 AM	CONF File	14 KB
httpd-userdir	11/2/2022 10:14 AM	CONF File	1 KB
httpd-vhosts	8/5/2023 8:45 PM	CONF File	1 KB
proxy-html	11/2/2022 10:14 AM	CONF File	4 KB

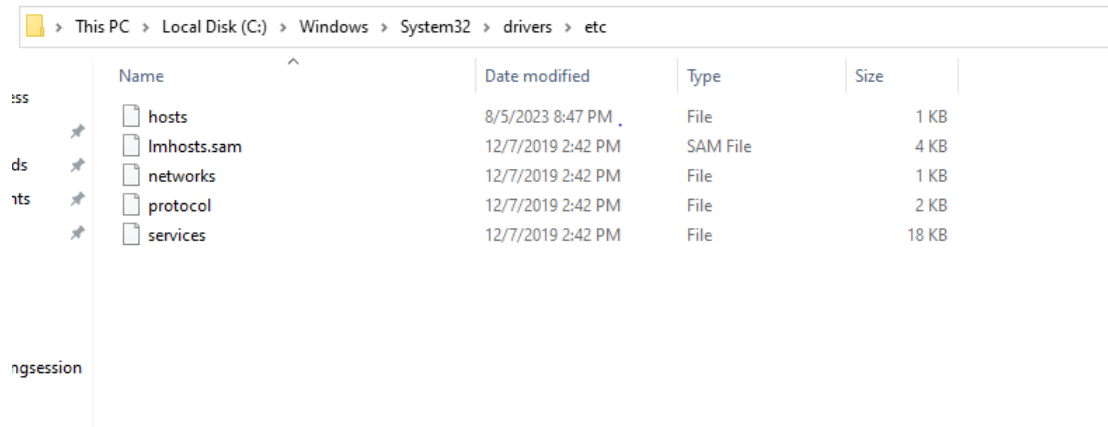
Step 6: open httpd- vhosts file and root document root and directory path – to get the page hosted as when you open the localhost



```
*httpd-vhosts - Notepad
File Edit Format View Help
# Virtual Hosts
#
<VirtualHost *:80>
    ServerName localhost
    ServerAlias localhost
    DocumentRoot "${INSTALL_DIR}/www/demo"
    <Directory "${INSTALL_DIR}/www/demo/">
        Options +Indexes +Includes +FollowSymLinks +MultiViews
        AllowOverride All
        Require local
    </Directory>
</VirtualHost>
```

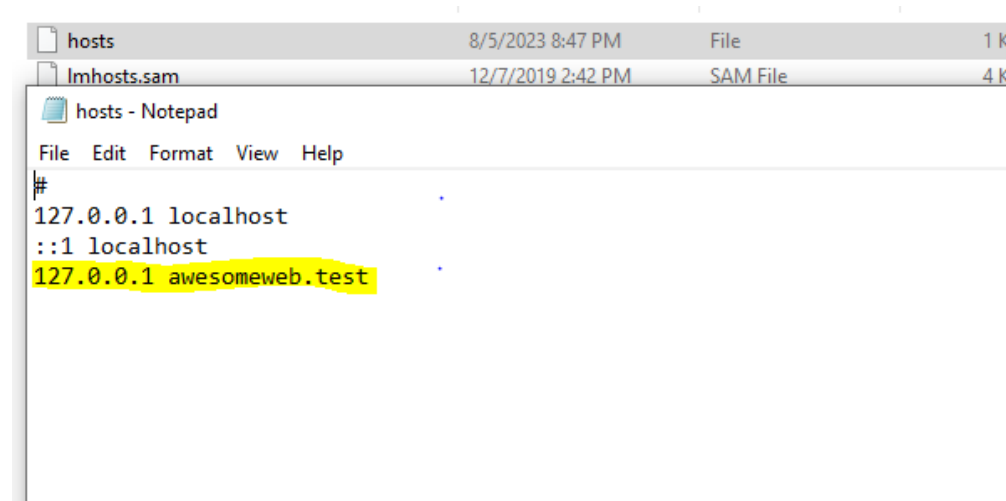
Step 7 : To Create the DNS name

Locate the directory 'C:\Windows\System32\drivers\etc '



> This PC > Local Disk (C:) > Windows > System32 > drivers > etc				
	Name	Date modified	Type	Size
	hosts	8/5/2023 8:47 PM	File	1 KB
	lmhosts.sam	12/7/2019 2:42 PM	SAM File	4 KB
	networks	12/7/2019 2:42 PM	File	1 KB
	protocol	12/7/2019 2:42 PM	File	2 KB
	services	12/7/2019 2:42 PM	File	18 KB

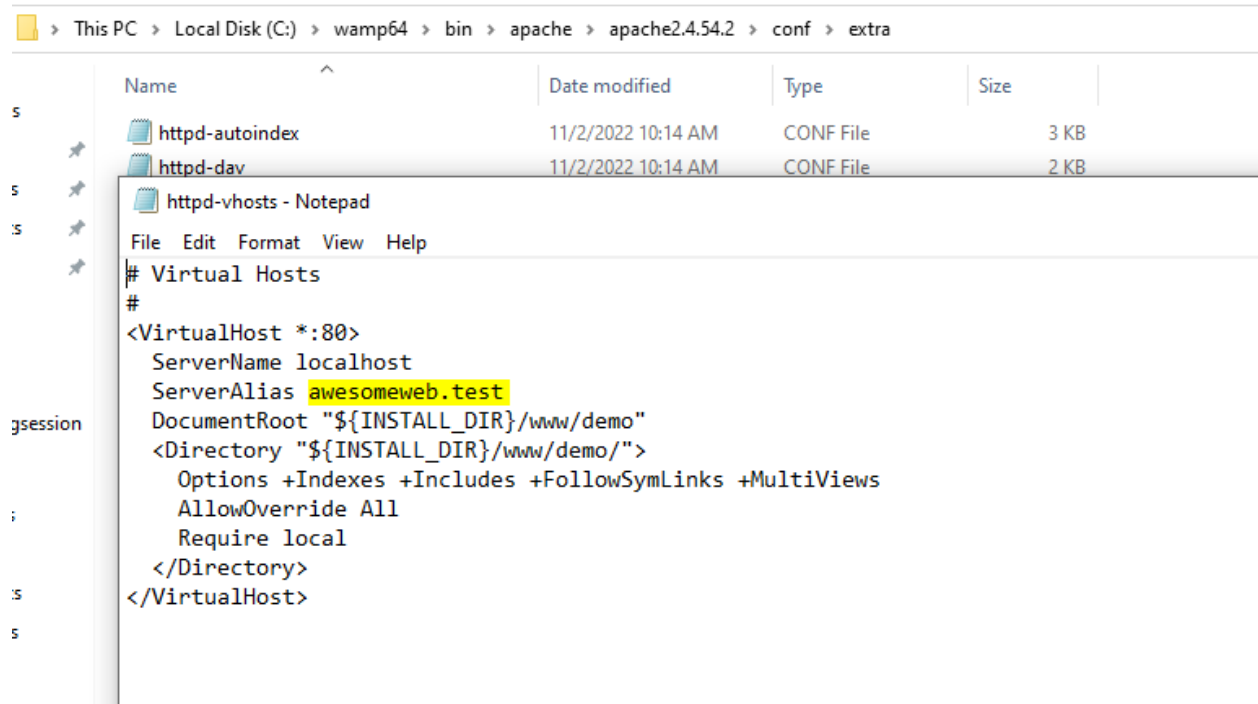
Step 8 : open hosts file and add an entry of our local host IP with the desired DNS name we would like to give



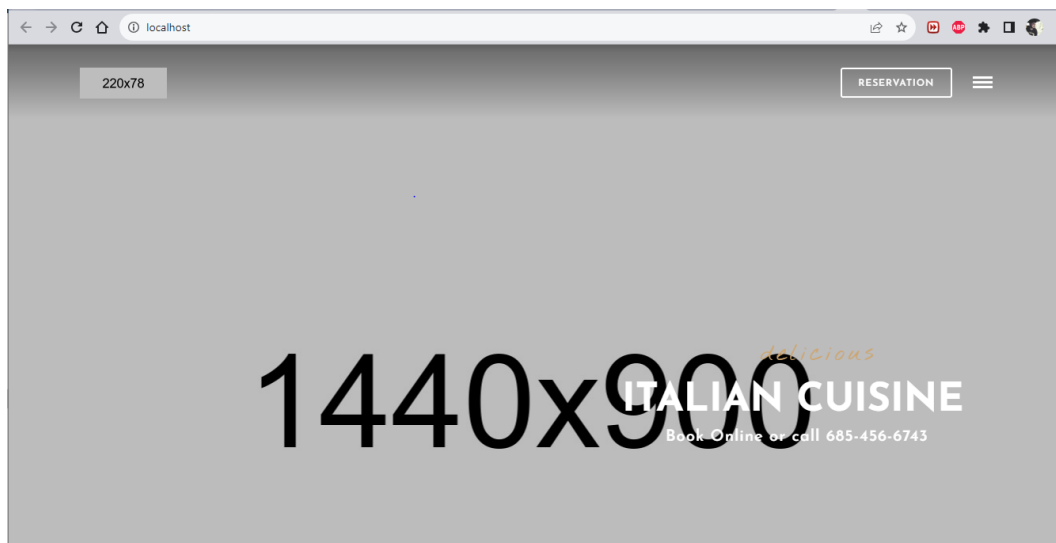
Step 9 : Locate the directory 'C:\wamp64\bin\apache\apache2.4.54.2\conf\extra'

And open httpd -vhosts file

Change the Server alias value from local host to the DNS name mentioned in previous step



Step 10 : Open your web browser and navigate to <http://localhost>



navigate to the DNS name given (awesomeweb.test)



The Website is Successfully deployed on localhost also by creating a DNS name.