**Assignment -1**

How to install web server on Windows Machine?

Downloading Apache:-

* On Windows EC2 machine, open browser and search for “Apache server download for windows 10”
* Go to Apache download page : ‘ <https://httpd.apache.org/download.cgi> ‘
* On ‘downloading Apache HTTP server’ section, click on ‘a number of third party packages’, then go to ApacheLounge.
* Go to Apache 2.4.57 Win64 and for 64-bit windows system, download [httpd-2.4.57-win64-VS17.zip](https://www.apachelounge.com/download/VS17/binaries/httpd-2.4.57-win64-VS17.zip) zip file.

Installing the Apache HTTP server:-

* After downloading is completed, open the file and extract its content to the C drive.
* In the extracted contents, there is folder named ‘Apache24’, go to this folder and click on the folder ‘bin’. Inside bin, there is a file named ‘httpd.exe’. Copy its path.
* Press Win+R button and write cmd to run command prompt as administrator.
* Type command “cd C:\Apache24\bin”, then press enter.
* Type command “httpd –k install” to install the file httpd.exe
* Now go to Services, and find the service named ‘Apache2.4’.click on it and on the side panel, click on ‘start service’.

Testing the server:-

* To test the server locally, open the web browser and search for ‘127.0.0.1’ or ‘localhost’.
* It shows the designed webpage.

Publishing the webpage (using GitHub):-

* Sign-in/Sign-up into GitHub account.
* Go to *your repositories*.
* Click on ‘New’ to create a new repository.
* Click on ‘uploading an existing file’ link and upload the HTML file (index.html) and click on *commit changes.*
* Now our code is uploaded to GitHub and is ready to be put on internet. For this, go to settings of the repository(*apache-server*) and select the *Pages* tab, there under *Build and Deployment* section, choose branch(*main*) and then click on *save*.
* Refresh the page and it shows

“Your site is live at <https://anushkabajpai003.github.io/apache-server/> ”.

* Now anyone can access it by following the above URL in their browser.