TASK 2: Install a web server on the EC2 instance

Subtask 1: Install a web server on the EC2 instance

1. To check Any updates :
   Sudo yum update -y
2. To install Apache web server
   Sudo yum install httpd -y

```
[ec2-user@ip-172-31-38-234 ~]$ sudo yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core
No packages marked for update
[ec2-user@ip-172-31-38-234 ~]$ sudo yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.58-1.amzn2 will be installed
--> Processing Dependency: httpd-filesystem = 2.4.58-1.amzn2 for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: httpd-tools = 2.4.58-1.amzn2 for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.58-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.58-1.amzn2.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.7.2-1.amzn2 will be installed
---> Package apr-util.x86_64 0:1.6.3-1.amzn2.0.1 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86_64
```

Subtask 2: Check that any PC can access your Webpage .
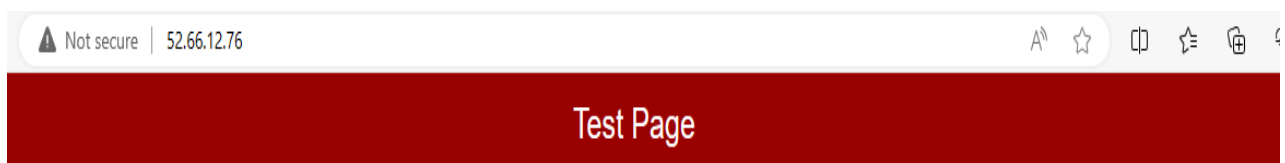
- To start apache server use command :

  <mark>Sudo systemctl start httpd</mark>

- To start apache server on system boot use the following command:

  <mark>Sudo systemctl enable httpd</mark>

- Now Go to any browser and type that Ip address to check whether Webpage is running or not.

Subtask 3: To show Ip address on the web page use the following command:

1. Create index.html file inside /var/www/html

```
[ec2-user@ip-172-31-34-157 ~]$ sudo touch  /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$ _
```

2. Change permission so we can read write and execute index.html

```
ec2-user@ip-172-31-34-157:~                                                    —    □    ×
[ec2-user@ip-172-31-34-157 ~]$ [ec2-user@ip-172-31-34-157 ~]$ sudo chmod 744 /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$ _
```

3. Add Ip address on the index.html using the following command:

   echo "<h1>IP ADDRESS: " > /var/www/html/index.html

   hostname -f >> /var/www/html/index.html

   echo </h1> >> /var/www/html/index.html

```
ec2-user@ip-172-31-34-157:~                                                    —    □    ×
[ec2-user@ip-172-31-34-157 ~]$ [ec2-user@ip-172-31-34-157 ~]$ echo "<h1>IP ADDRESS:" > /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$ hostname -f >> /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$ echo  >> /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$
[ec2-user@ip-172-31-34-157 ~]$ echo "</h1>" >> /var/www/html/index.html
[ec2-user@ip-172-31-34-157 ~]$ _
```