

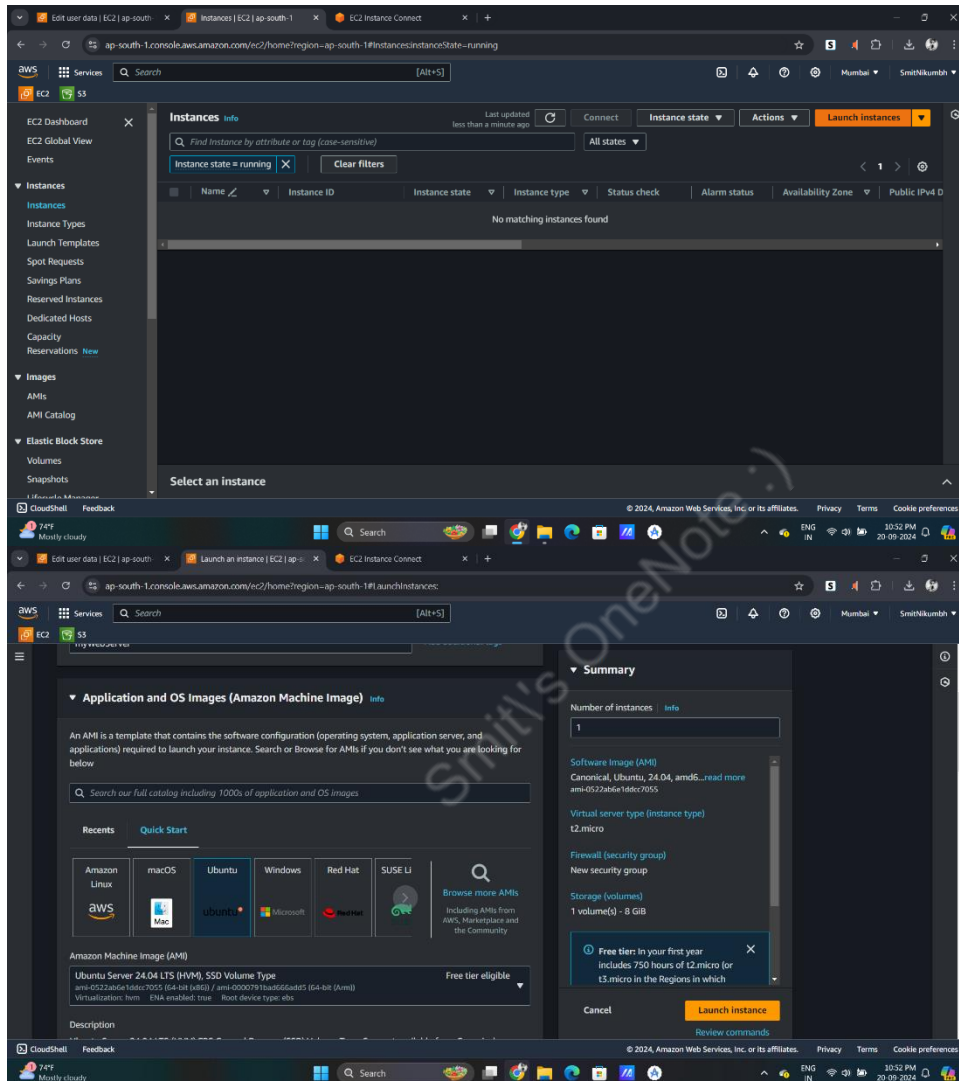
1.0 Smit's OneNote:)

20 September 2024

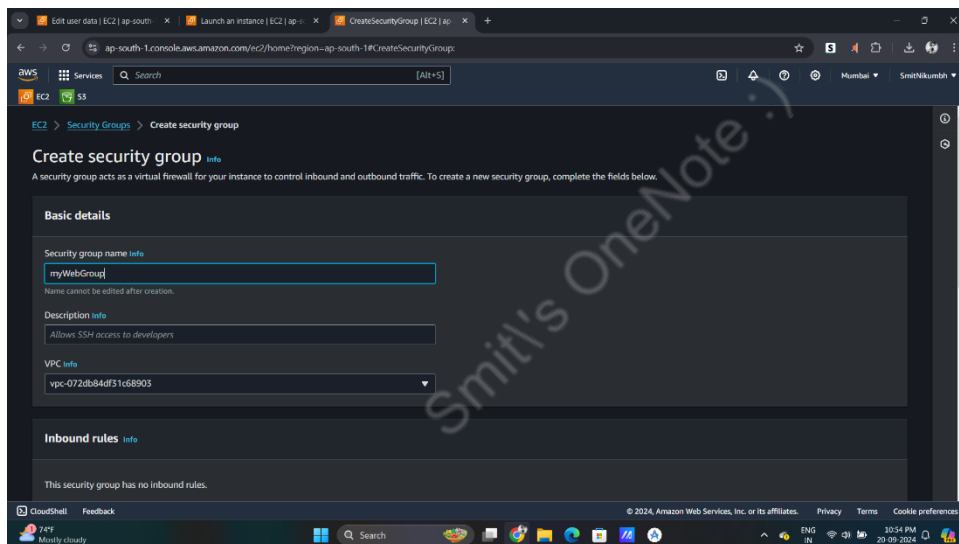
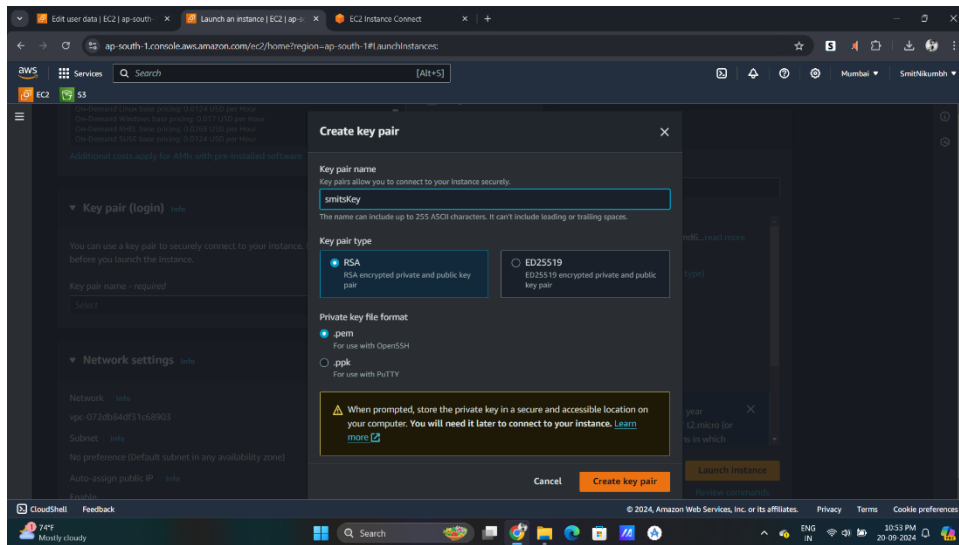
10:10 PM

Task: Hosting 3 Web Templates on Same IP on Ec2 Instance

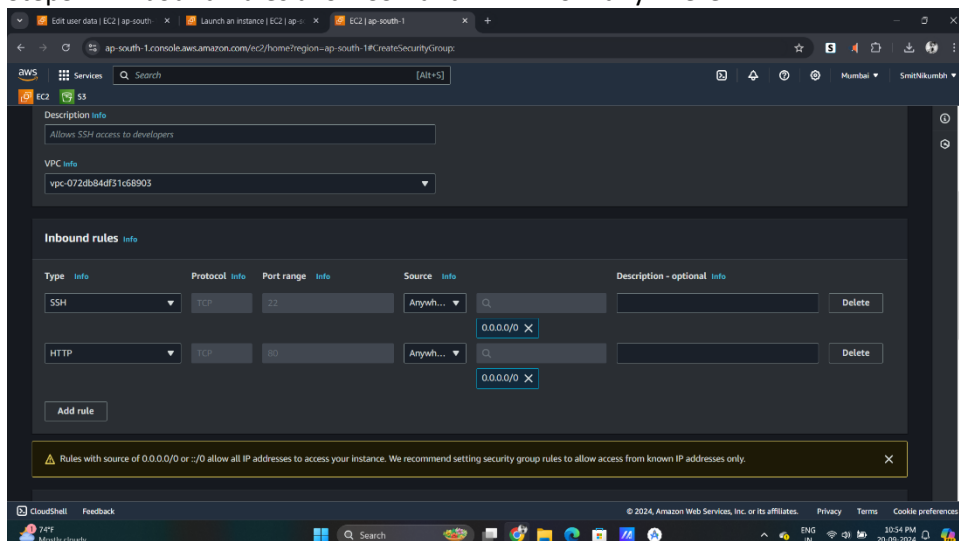
Step 1: Launching Ec2 Instance With Ubuntu AMI



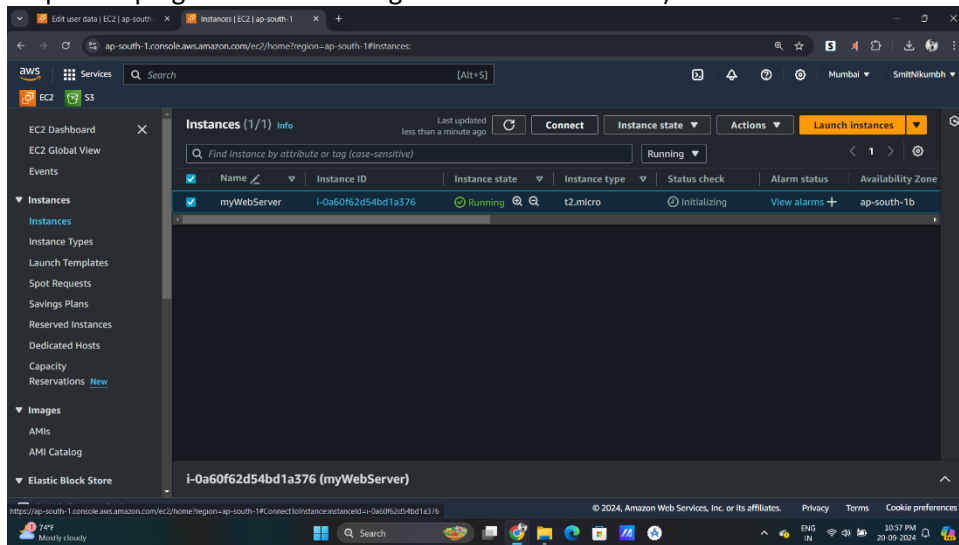
Step2: Creating Key Pair and Security Group For SSH Connect



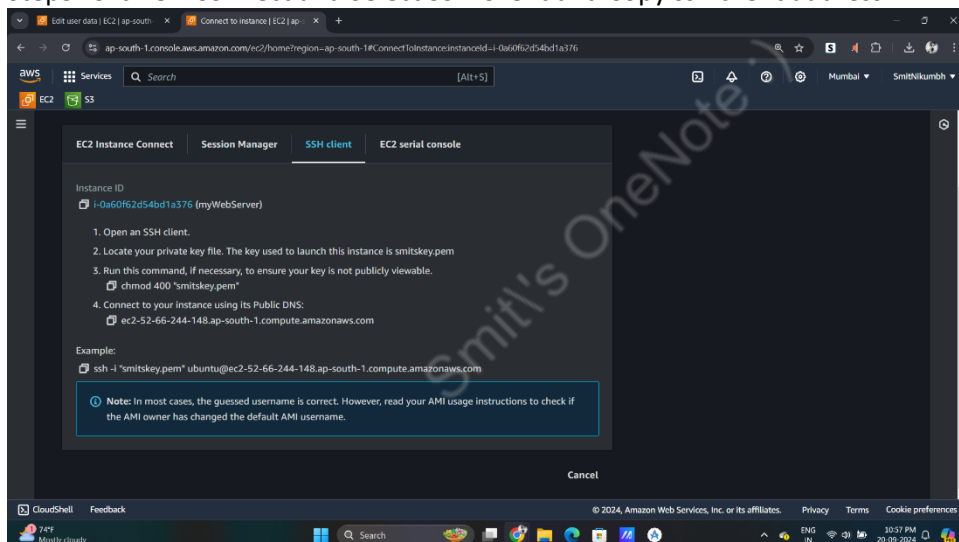
Step3: In inbound Rules allow SSH and HTTP from anywhere



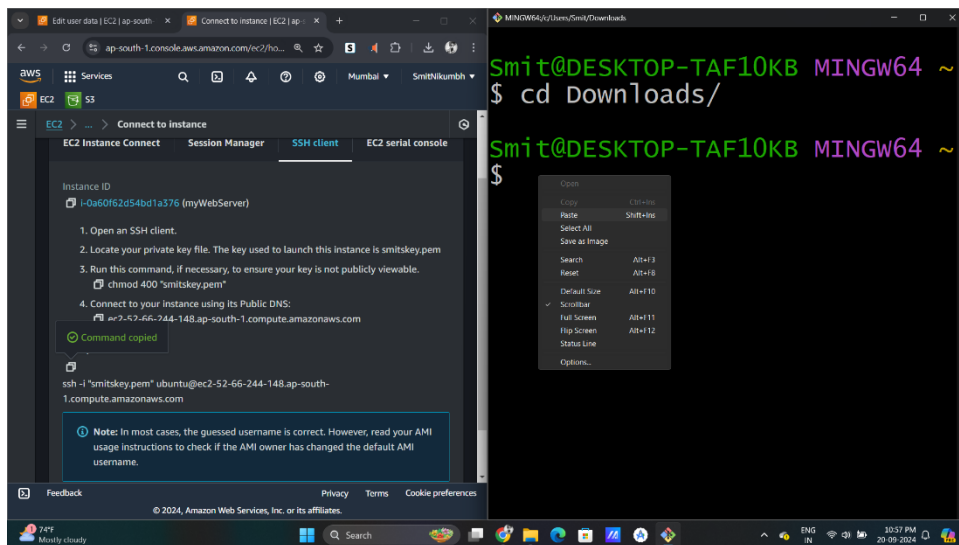
Step4: Keeping Default all setting Launch the Instance :)



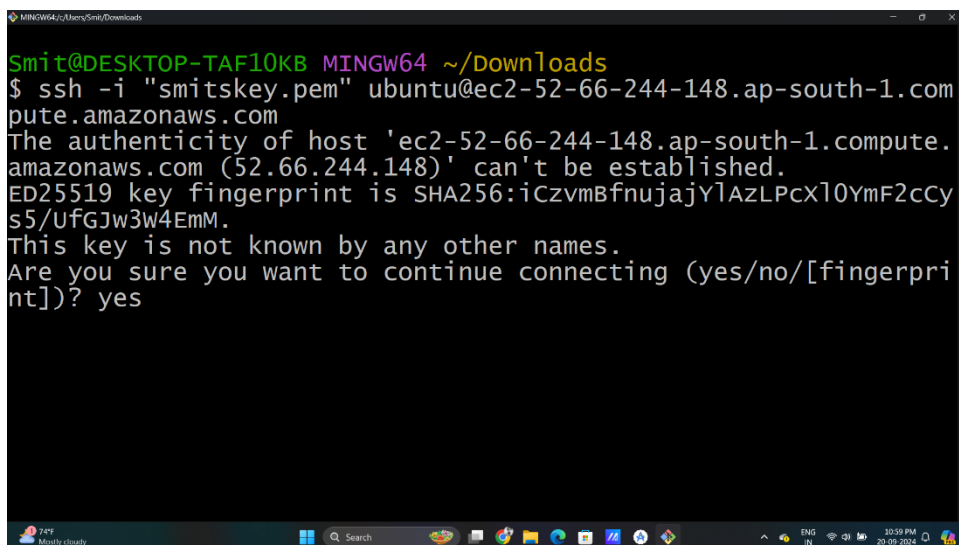
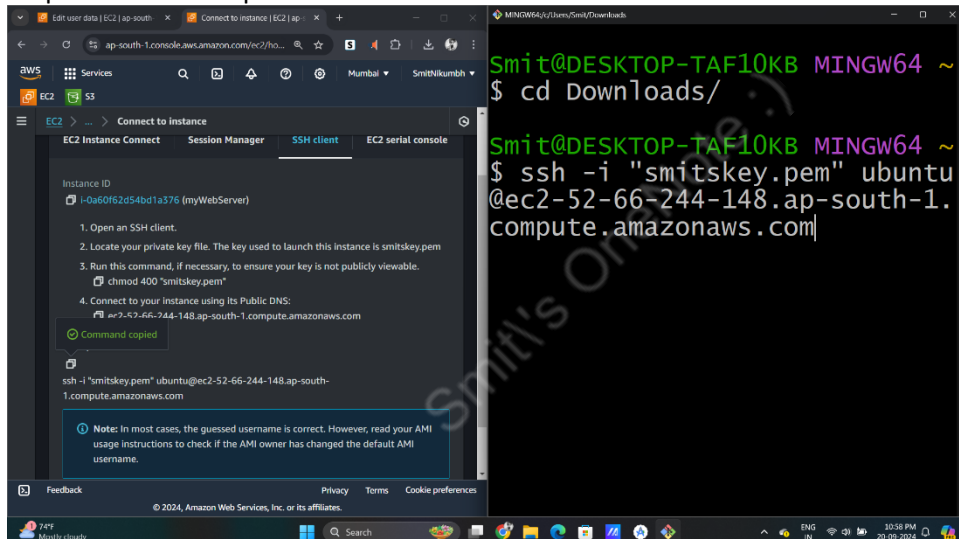
Step5: Click On Connect and Select SSH Client and Copy ssh client address



Step6: Open your command Prompt and goto the location where your key is downloaded



Step 7: Paste the copied command in cmd



Step8: Now we are successfully connected to Our EC2 Instance

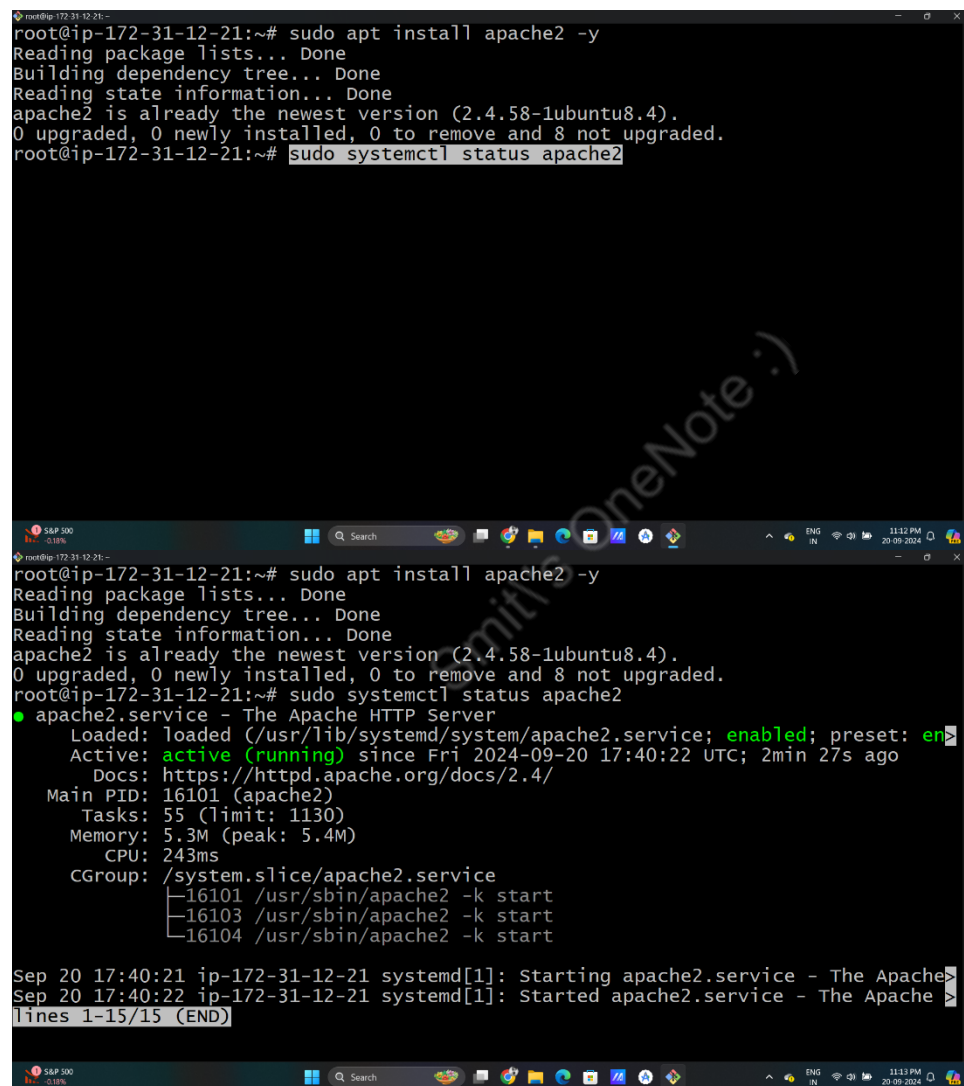
```
ubuntu@ip-172-31-12-21:~$  
See https://ubuntu.com/esm or run: sudo pro status  
  
*** System restart required ***  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ubuntu@ip-172-31-12-21:~$  
ubuntu@ip-172-31-12-21:~$  
ubuntu@ip-172-31-12-21:~$  
ubuntu@ip-172-31-12-21:~$  
ubuntu@ip-172-31-12-21:~$
```

Smill's OneNote :)

Step9: Now Updating Our Machine and Installing Apache Server and Unzip with following Commands

- `sudo apt update`
- `sudo apt upgrade -y`
- `sudo apt install apache2`
- `sudo apt install wget unzip -y`

Step10: After running commands check the status of apache Server.
Its Active :)



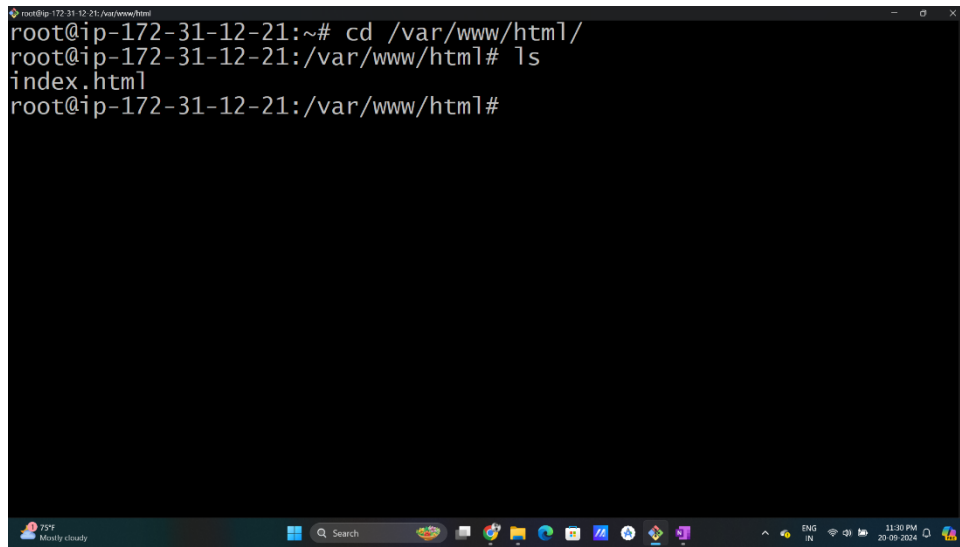
```
root@ip-172-31-12-21:~# sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu8.4).
0 upgraded, 0 newly installed, 0 to remove and 8 not upgraded.
root@ip-172-31-12-21:~# sudo systemctl status apache2

● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: en
   Active: active (running) since Fri 2024-09-20 17:40:22 UTC; 2min 27s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 16101 (apache2)
      Tasks: 55 (limit: 1130)
     Memory: 5.3M (peak: 5.4M)
        CPU: 243ms
    CGroup: /system.slice/apache2.service
            └─16101 /usr/sbin/apache2 -k start
              └─16103 /usr/sbin/apache2 -k start
                └─16104 /usr/sbin/apache2 -k start

Sep 20 17:40:21 ip-172-31-12-21 systemd[1]: Starting apache2.service - The Apache
Sep 20 17:40:22 ip-172-31-12-21 systemd[1]: Started apache2.service - The Apache
lines 1-15/15 (END)
```

Step11: Now going to Apache server File Location and we will get default index.html

- `cd /var/www/html`
- `ls`

A screenshot of a terminal window with a black background and white text. The terminal shows a sequence of commands and their outputs. The first command is `cd /var/www/html/`, which changes the current directory. The second command is `ls`, which lists the contents of the current directory, showing `index.html`. The terminal window has a title bar at the top that reads "root@ip-172-31-12-21: /var/www/html". The bottom of the image shows a Windows taskbar with various icons and a system clock indicating 11:30 PM on 20/09/2024.

```
root@ip-172-31-12-21:~# cd /var/www/html/
root@ip-172-31-12-21:/var/www/html# ls
index.html
root@ip-172-31-12-21:/var/www/html#
```

Step12: Making 3 Folders for our Website Templates and removing default index.html

```
root@ip-172-31-12-21:~# cd /var/www/html/
root@ip-172-31-12-21:/var/www/html# ls
index.html
root@ip-172-31-12-21:/var/www/html# mkdir web1 web2 web3
```

```
root@ip-172-31-12-21:~# cd /var/www/html/
root@ip-172-31-12-21:/var/www/html# ls
index.html
root@ip-172-31-12-21:/var/www/html# mkdir web1 web2 web3
root@ip-172-31-12-21:/var/www/html# ls
index.html web1 web2 web3
root@ip-172-31-12-21:/var/www/html# rm index.html
root@ip-172-31-12-21:/var/www/html# ls
web1 web2 web3
root@ip-172-31-12-21:/var/www/html# |
```


Step13: Now we can get our own web templates from any opensource sites in our case we will be using tooPlate.

We Will Install and unzip templates using below commands in our Ubuntu from Tooplate

*Run all the below Commands One By One

//getting first template and unzip and pasting it in our web1 folder

wget https://www.tooplate.com/zip-templates/2135_mini_finance.zip

unzip 2135_mini_finance.zip

sudo cp -r 2135_mini_finance/* /var/www/html/web1

//getting second template and unzip and pasting it in our web2 folder

wget https://www.tooplate.com/zip-templates/2128_tween_agency.zip

unzip 2128_tween_agency.zip

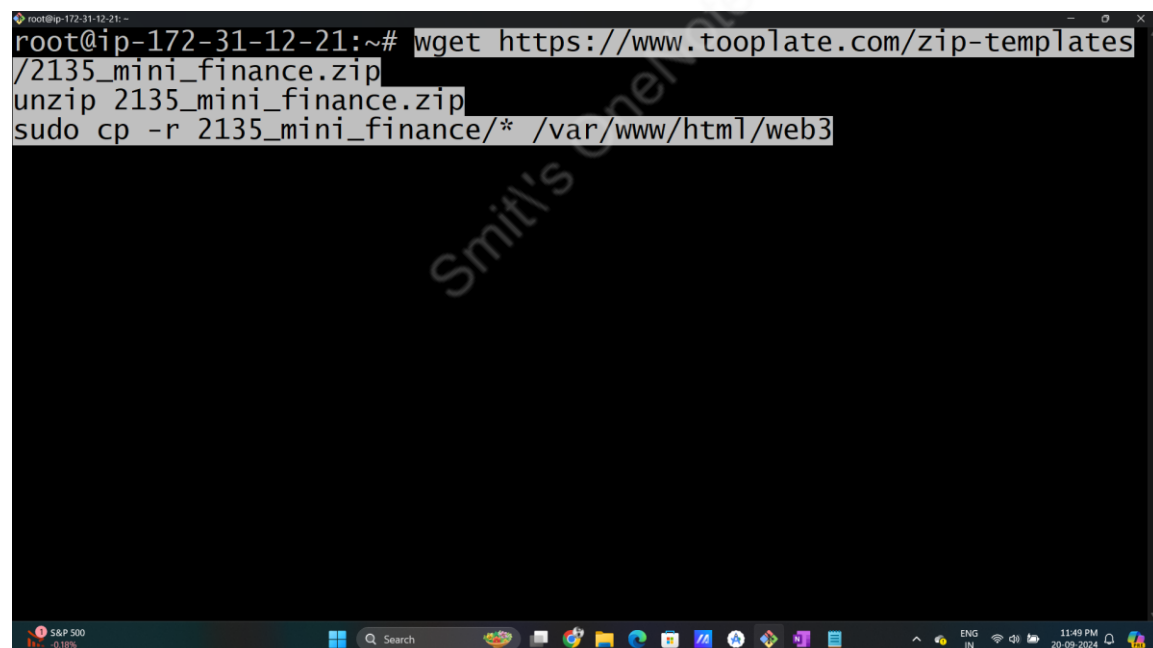
sudo cp -r 2128_tween_agency/* /var/www/html/web2

//getting third template and unzip and pasting it in our web3 folder

wget https://www.tooplate.com/zip-templates/2136_kool_form_pack.zip

unzip 2136_kool_form_pack.zip

sudo cp -r 2135_mini_finance/* /var/www/html/web3

A screenshot of a Linux terminal window. The terminal shows the following commands being executed:

```
root@ip-172-31-12-21:~# wget https://www.tooplate.com/zip-templates/2135_mini_finance.zip
root@ip-172-31-12-21:~# unzip 2135_mini_finance.zip
root@ip-172-31-12-21:~# sudo cp -r 2135_mini_finance/* /var/www/html/web3
```

 The terminal output is mostly black, indicating successful execution. A large, faint watermark "Smriti's (university)" is visible across the terminal area. The terminal window is titled "root@ip-172-31-12-21:~". The desktop environment is visible at the bottom, showing a taskbar with various application icons and a system tray with the date and time "11:49 PM 20-09-2024".

Step14: Now We are done.. Go to your instace and open public IP. [Remove 'S' from Https] it should be only http.

Now you can view all 3 Web-Pages using single IP using sub-domain /web1 , /web2, /web3

