

ASSIGNMENT 7 :-

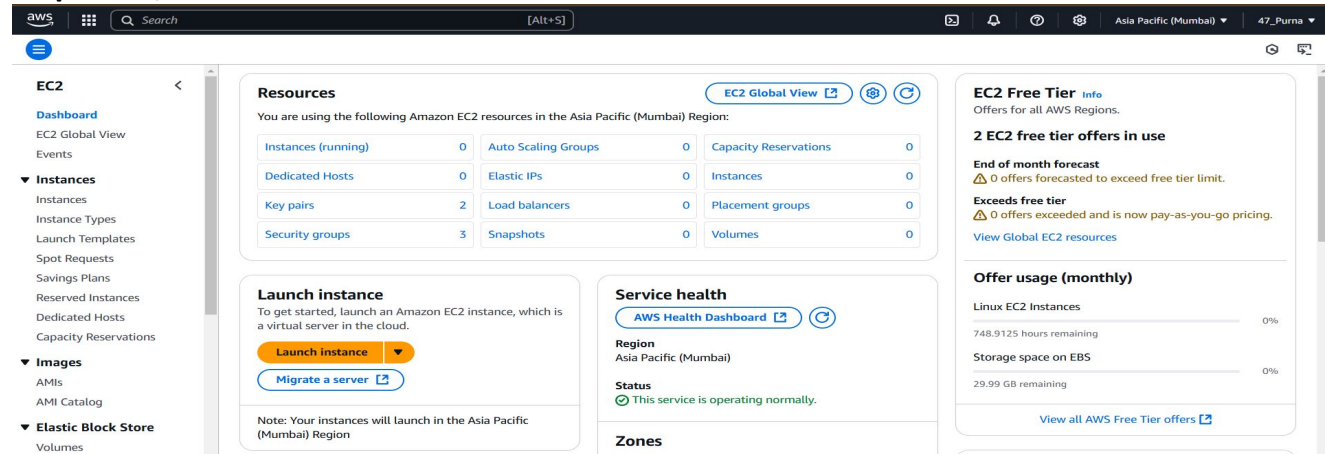
TITLE :- Hosting a website on EC2.

Step 1 :- • Go to [AWS Console](#) and sign in or create an account.
• Set up billing details and complete identity verification.

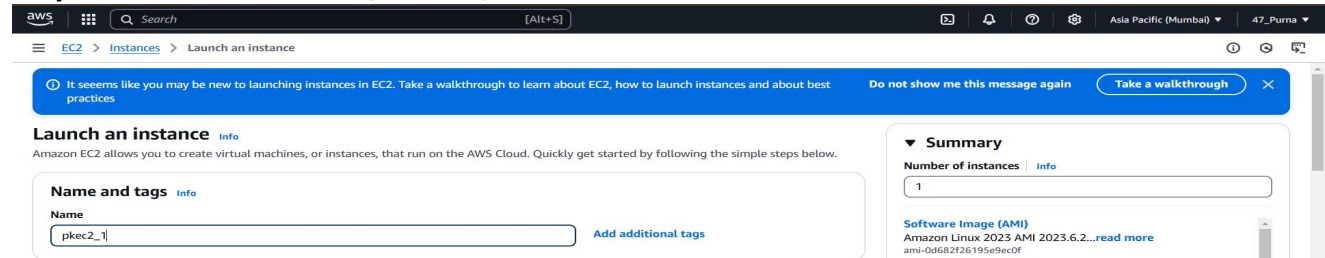
Step 2 :- In AWS Console, go to **EC2 → Instances**.



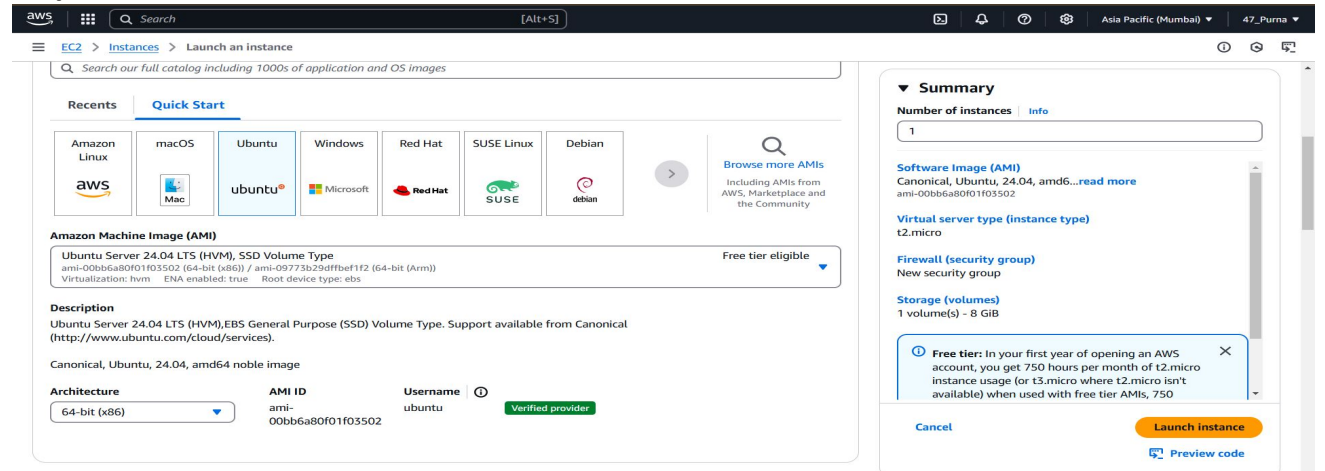
Step 3 :- Open EC2 Dashboard. Click **Launch Instance**.



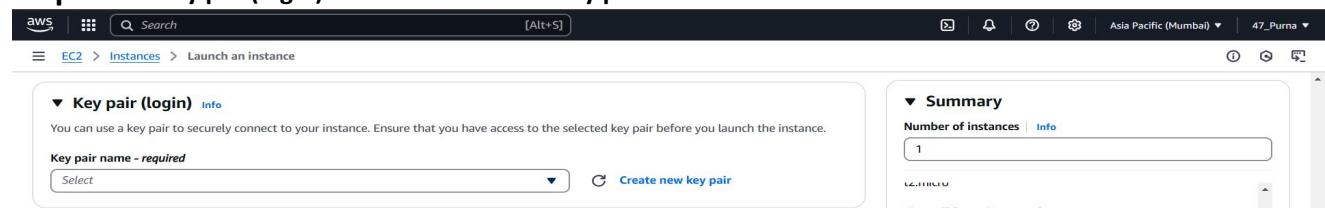
Step 4 :- Give a Name and tags of newly created instance.



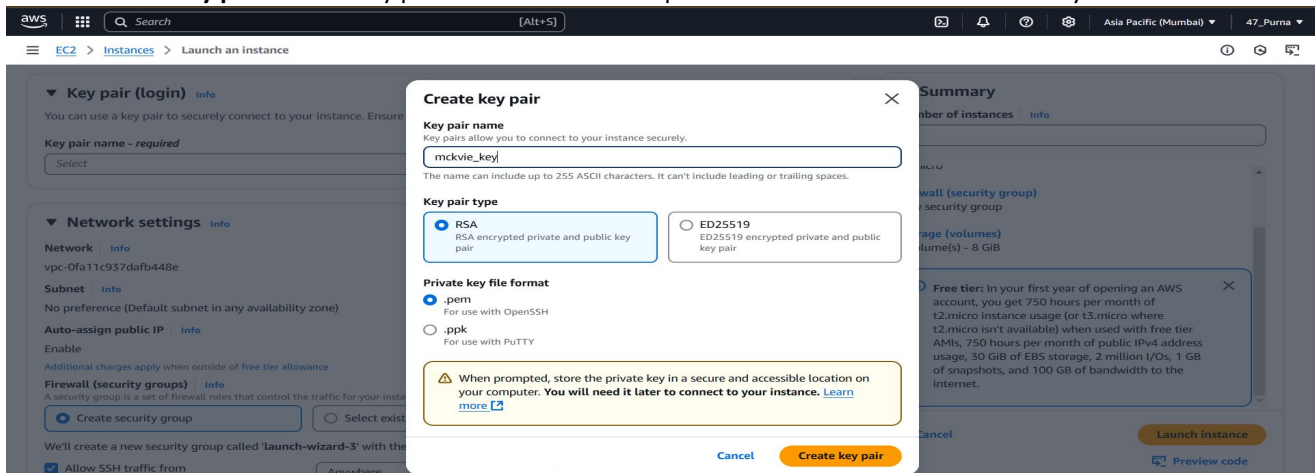
Step 5 :- Choose an Amazon Machine Image (AMI) like Amazon, Linux, Ubuntu, or any OS(Here we use Ubuntu).



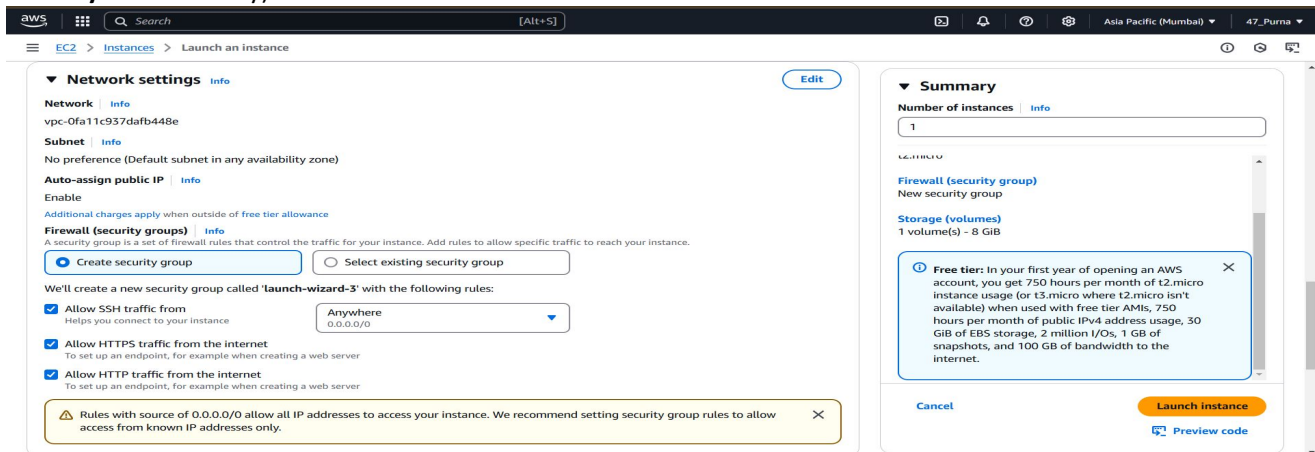
Step 6 :- In **Key pair(login)** click on **Create new key pair**.



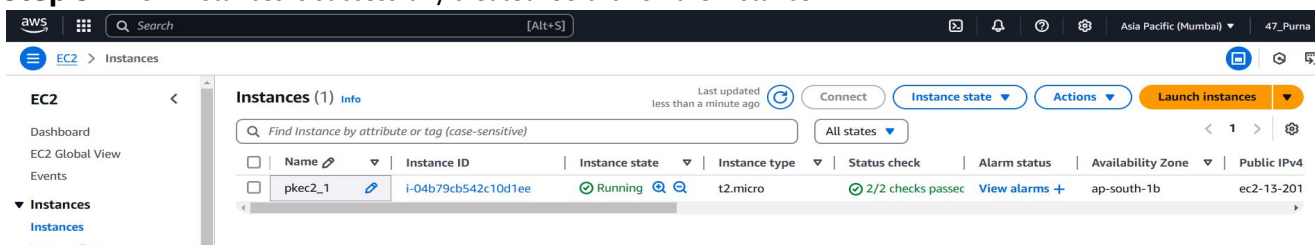
Step 7:- Give a **Key pair name** as **mckvie_key**. And **Key pair type** is **RSA** and **Private key file format** is **.pem** . And click on **Create key pair**. So the key pair is created and the **.pem** file is downloaded automatically.



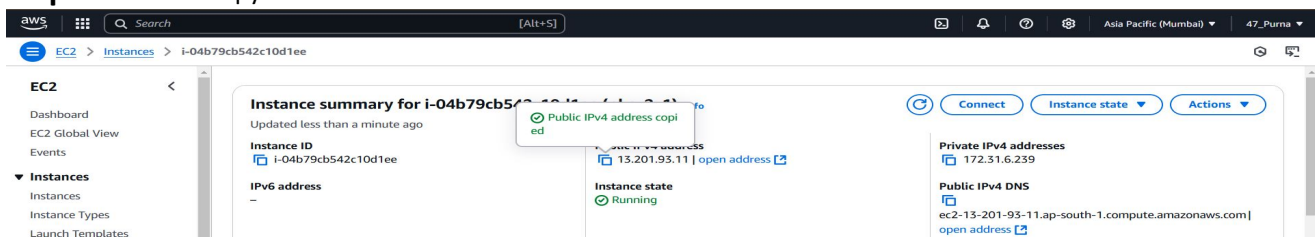
Step 8:- Allow HTTP (port **80**) and HTTPS (port **443**) for web access. Allow SSH (port **22**) for remote access (**only from my IP for security**). Now **Launch the Instance** .



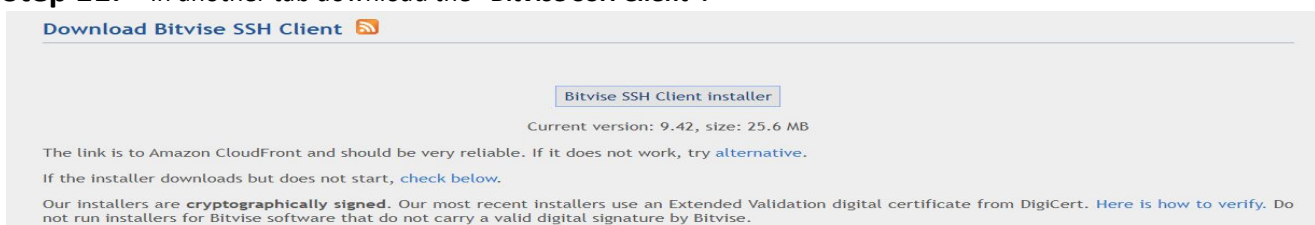
Step 9:- Now Instances is successfully created. So click on the instance ID.



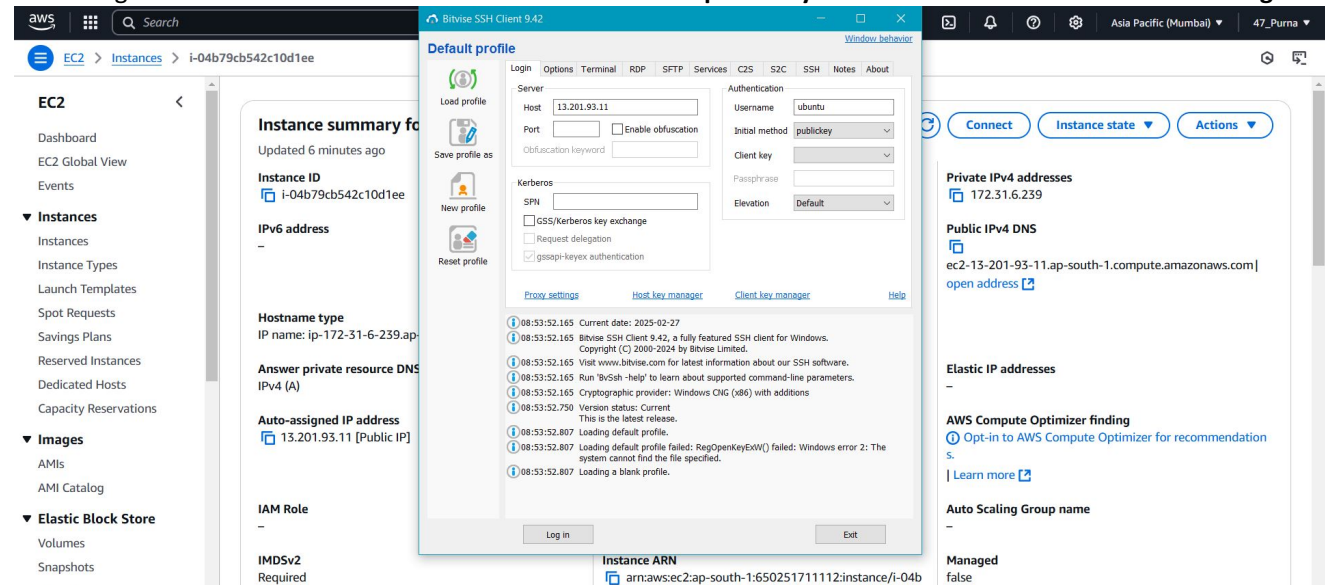
Step 10:- Now copy the instance ID.



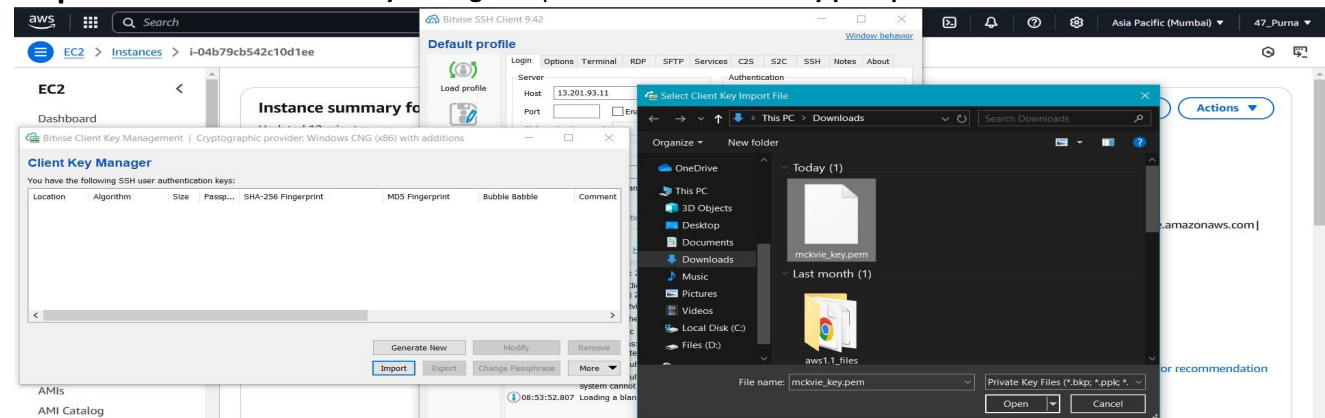
Step 11:- In another tab download the **“Bitwise SSH Client”**.



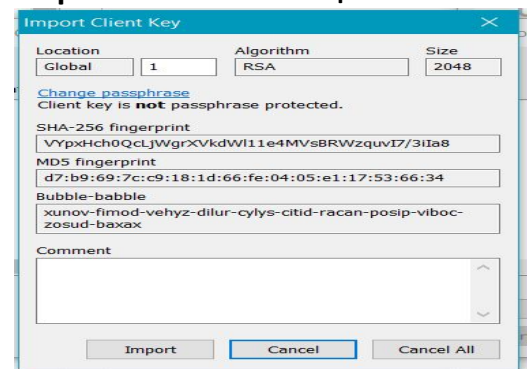
Step 12:- Now open “Bitvise SSH Client”. And paste the ID of newly created instance in the “Host” under Server. And change the Username as ‘ubuntu’ and Initial method as ‘publickey’ under Authentication. And click on ‘Log in’.



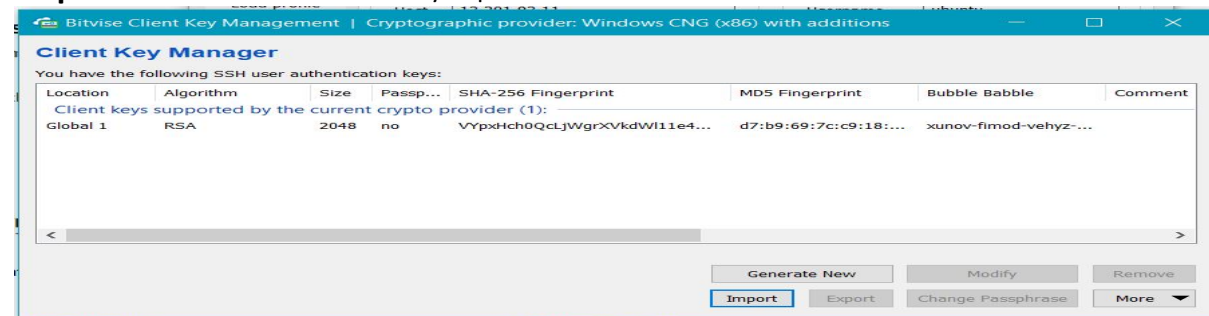
Step 13:- Now under Client Key Manager Import the downloaded key pair .pem file .



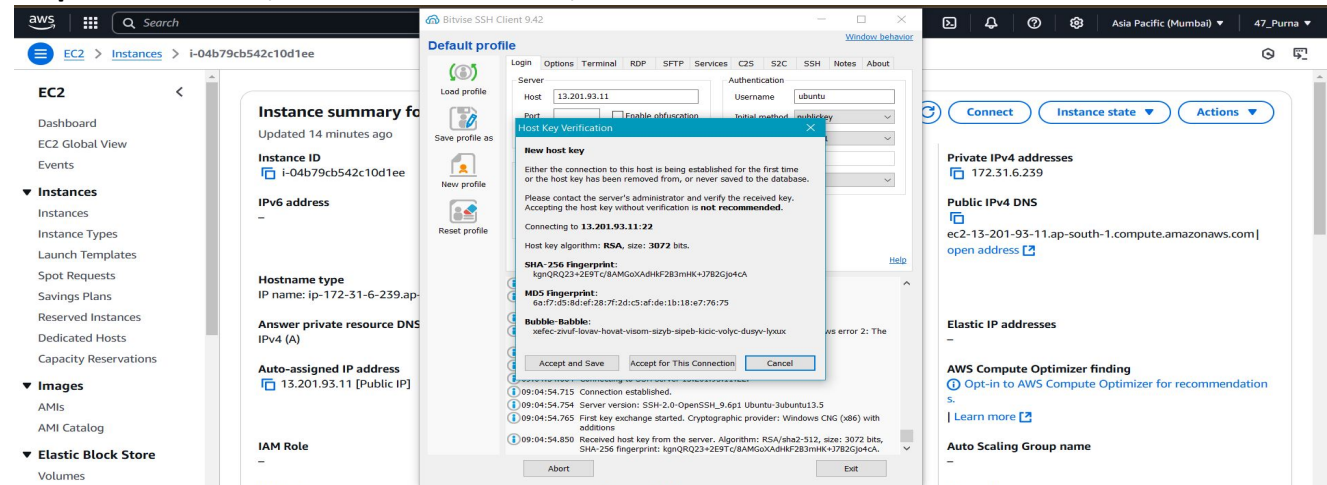
Step 14:- Now click on ‘Import’.



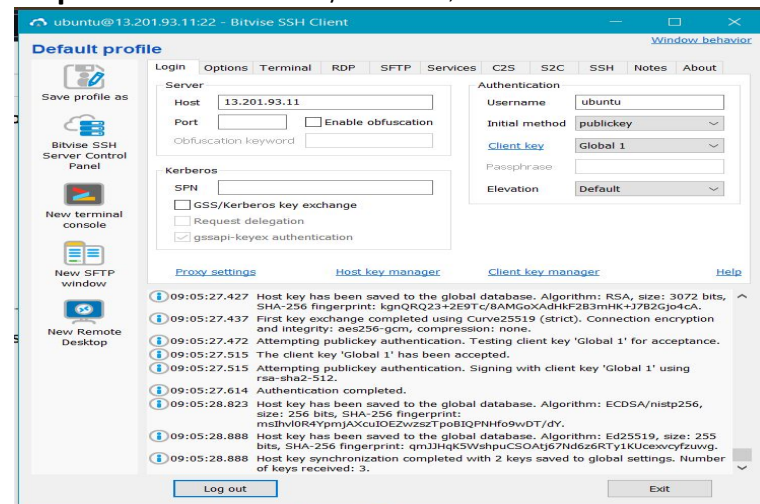
Step 15:- And the file is successfully imported. So cross the tab.



Step 16:- In Host Key Verification click on 'Accept and Save'.



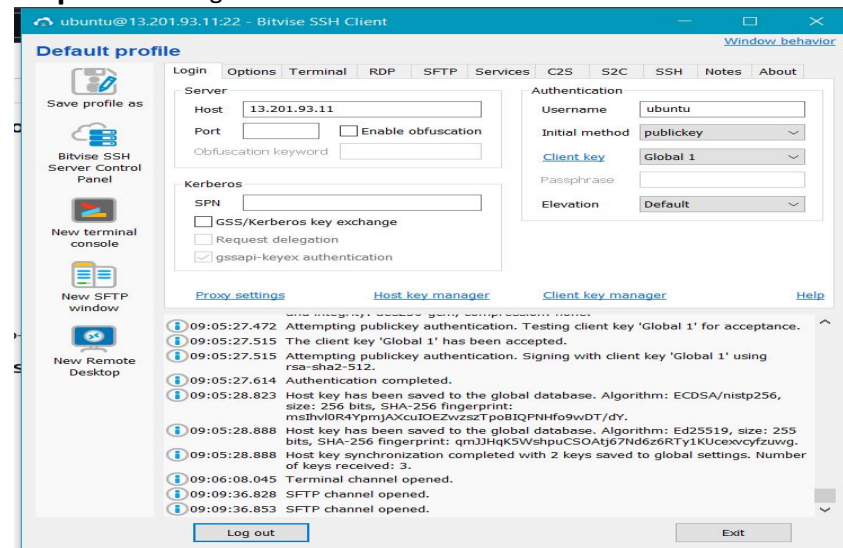
Step 17:- Now the Client Key is created , named as Global 1 under Authentication. Now click on New terminal console.



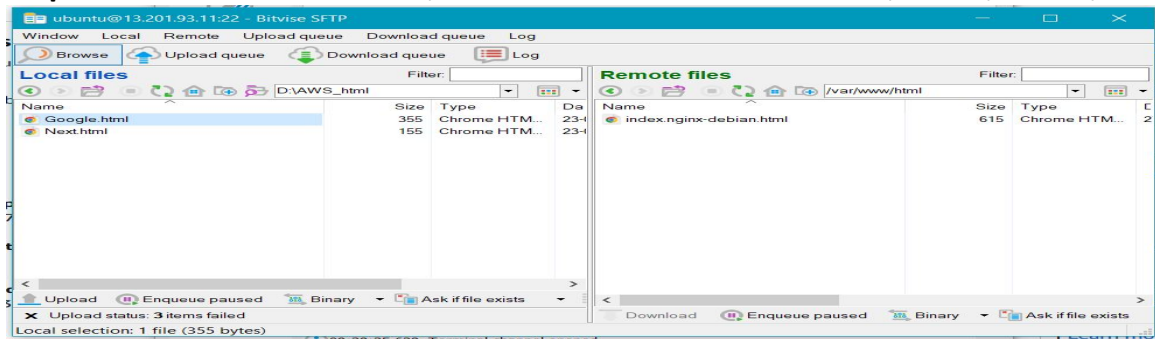
Step 18:- And give this three command and update all the necessary condition.

- `ubuntu@ip-172-31-6-239:~$ sudo apt-get update`
- `ubuntu@ip-172-31-6-239:~$ sudo apt-get upgrade`
- `ubuntu@ip-172-31-6-239:~$ sudo apt-get install nginx`

Step 19:- Now go the New SFTP Window.



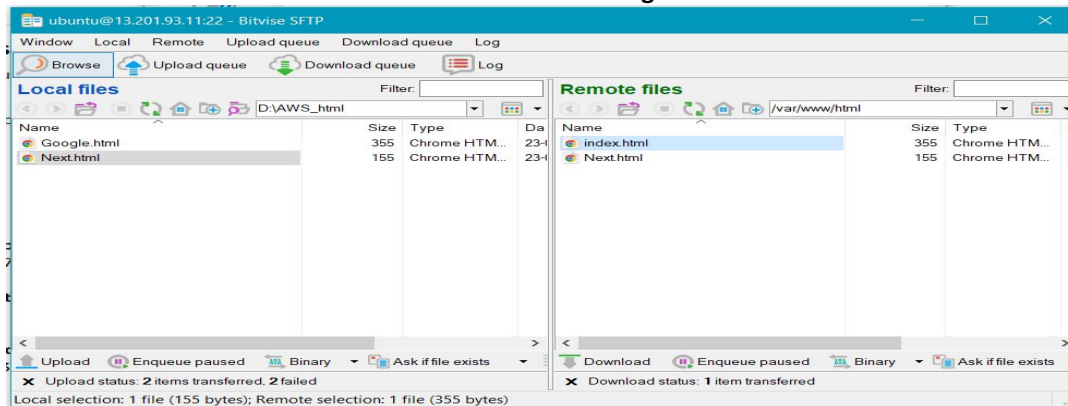
Step 20:- Now under **Remote files** open **/var/www/html**. And in **Local files** open two previously created html files.



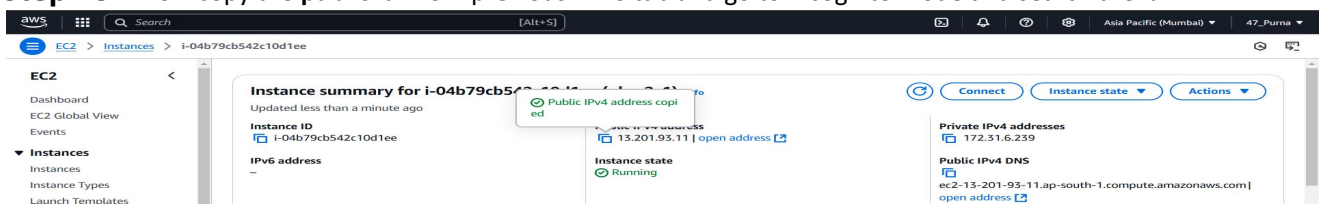
Step 21:- Now to copy paste this two html files from **Local files** to **Remote files** go to **New terminal console** and run this given commands.

```
ubuntu@ip-172-31-6-239:~$ cd ..
ubuntu@ip-172-31-6-239:/home$ cd ..
ubuntu@ip-172-31-6-239:/$ cd var
ubuntu@ip-172-31-6-239:/var$ cd www
ubuntu@ip-172-31-6-239:/var/www$ sudo chmod 777 html
ubuntu@ip-172-31-6-239:/var/www$
```

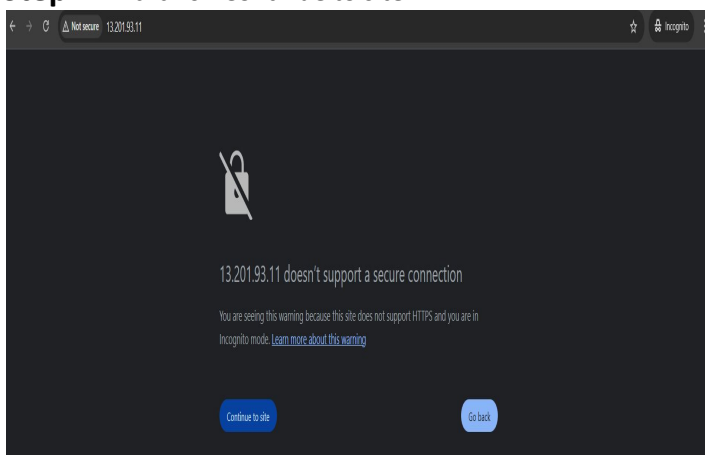
Step 22:- Now copy and paste the tow files from **Local files** to **Remote files**. And delete the **index.nginx-debian.html** file from **Remote files**. And rename the **Google.html** file as '**index.html**'.



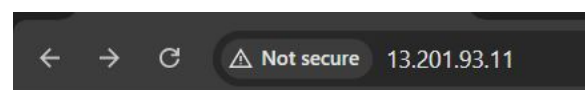
Step 23:- Now copy the **public id** from previous AWS tab and go to incognito mode and search the id.



Step 24:- click on **Continue to site**.



Step 25:- Now website should be visible.



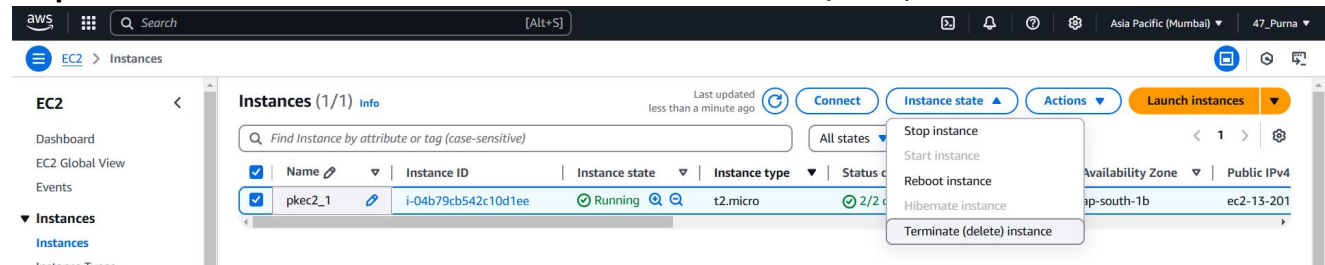
This is heading

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[Google](#) [Nexts](#)

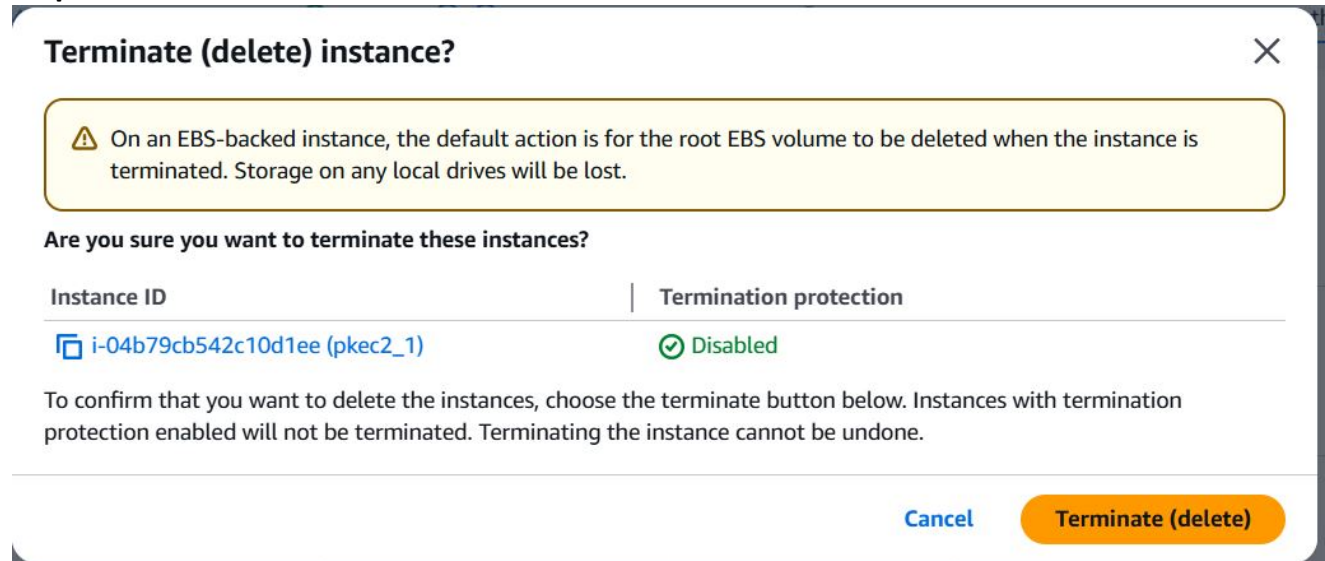
Now to delete the Instance.....

Step 1:- Go to **Instances** and under **Instances state** click on **Terminate (delete) instance**.



The screenshot shows the AWS Management Console 'Instances' page. The instance 'pkc2_1' (ID: i-04b79cb542c10d1ee) is in the 'Running' state. The 'Actions' dropdown menu is open, showing options like 'Stop instance', 'Start instance', 'Reboot instance', 'Hibernate instance', and 'Terminate (delete) instance'.

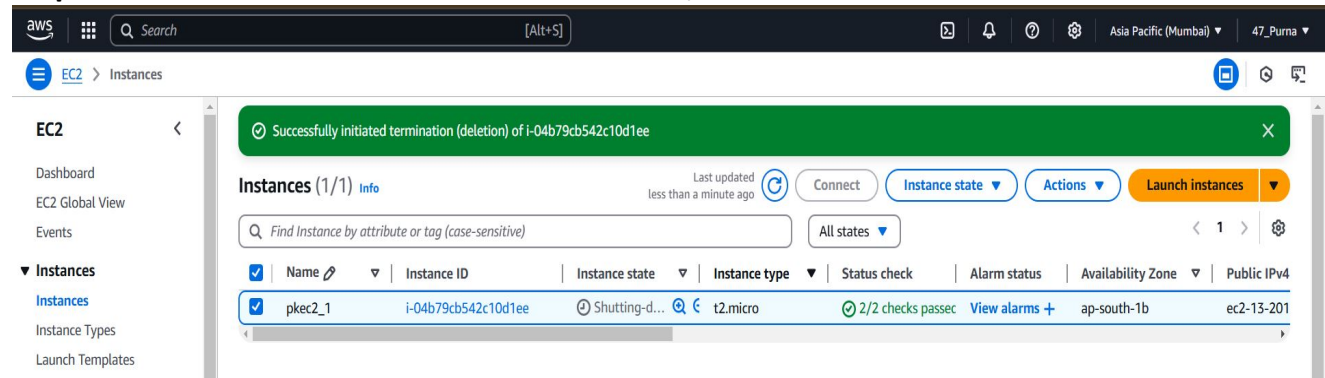
Step 2:- Click on **Terminate (delete)**.



The screenshot shows the 'Terminate (delete) instance?' confirmation dialog. It includes a warning about EBS-backed instances, a confirmation question 'Are you sure you want to terminate these instances?', and a table with instance details. The 'Terminate (delete)' button is highlighted.

Instance ID	Termination protection
i-04b79cb542c10d1ee (pkc2_1)	Disabled

Step 3:- After some time the instance deleted automatically.



The screenshot shows the AWS Management Console 'Instances' page. A green banner at the top indicates 'Successfully initiated termination (deletion) of i-04b79cb542c10d1ee'. The instance 'pkc2_1' is now in the 'Shutting-down' state.