MINOR PROJECT-1

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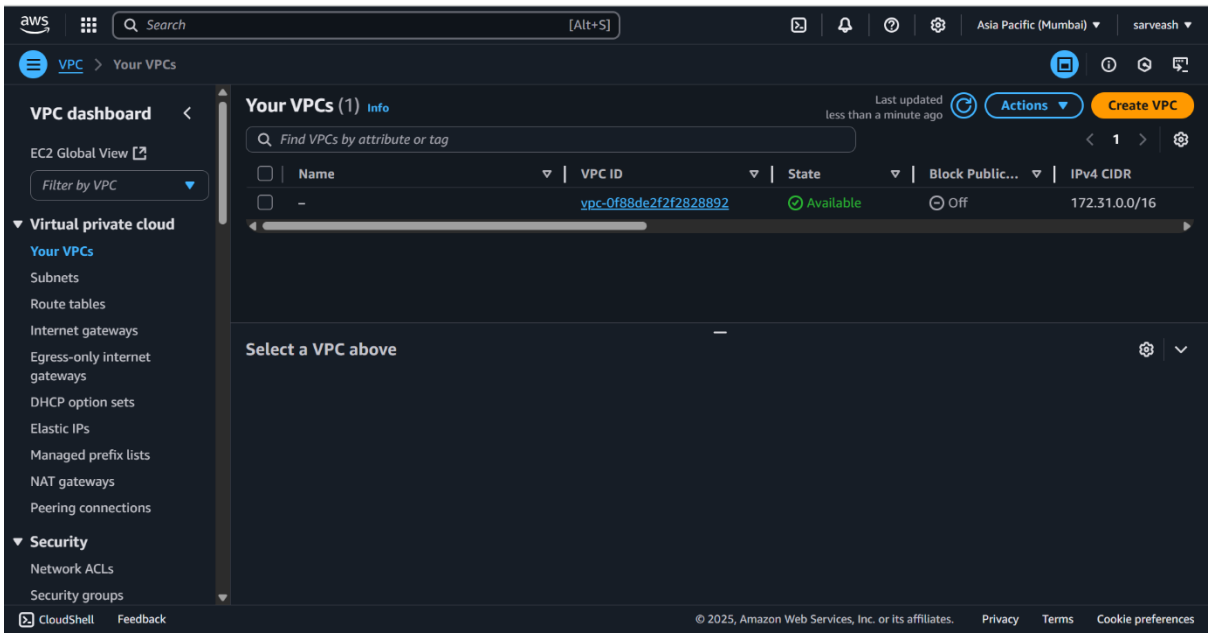
QUESTION:

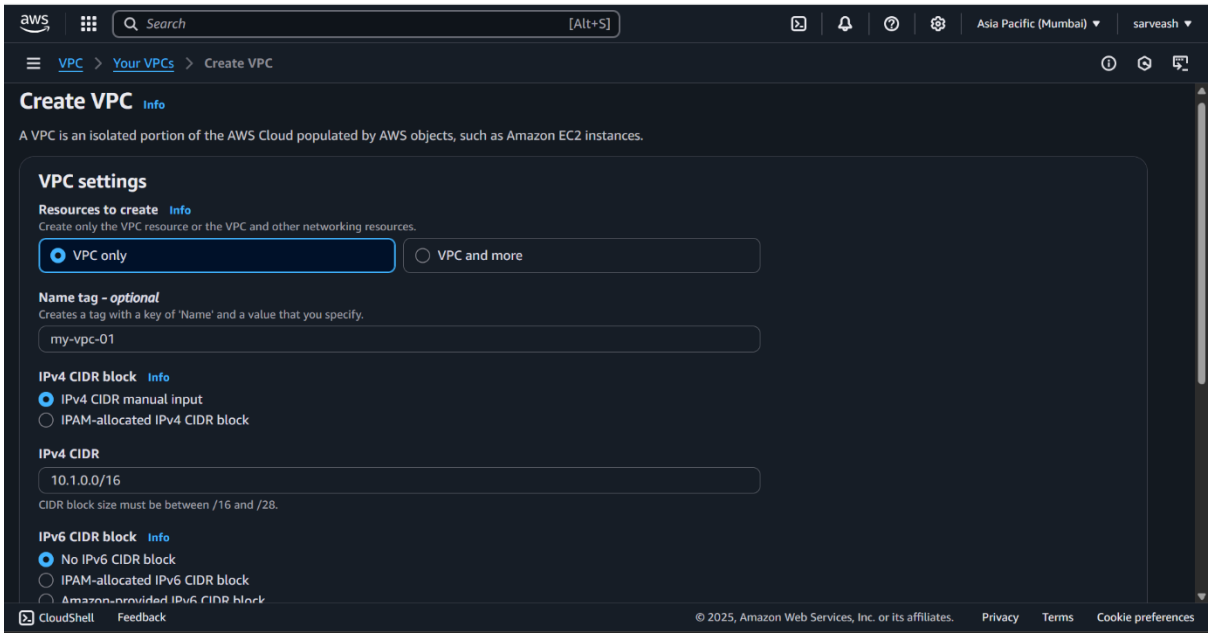
Create a vpc with two subnets where one will be a public a subnet and the other will be a private subnet. In public subnet configure a windows server and in private subnet configure a ubuntu server . And make the both server as as an webserver.

SCREENSHOTS :

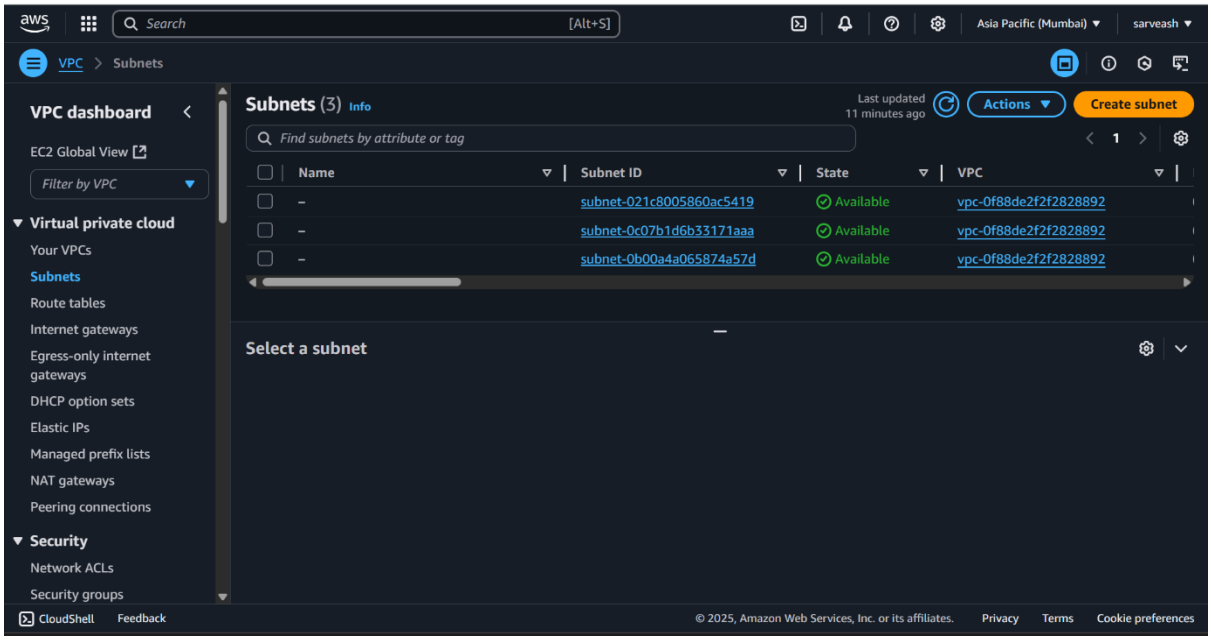


Step 1 : First go to AWS console after login in search box type vpc and click into it.

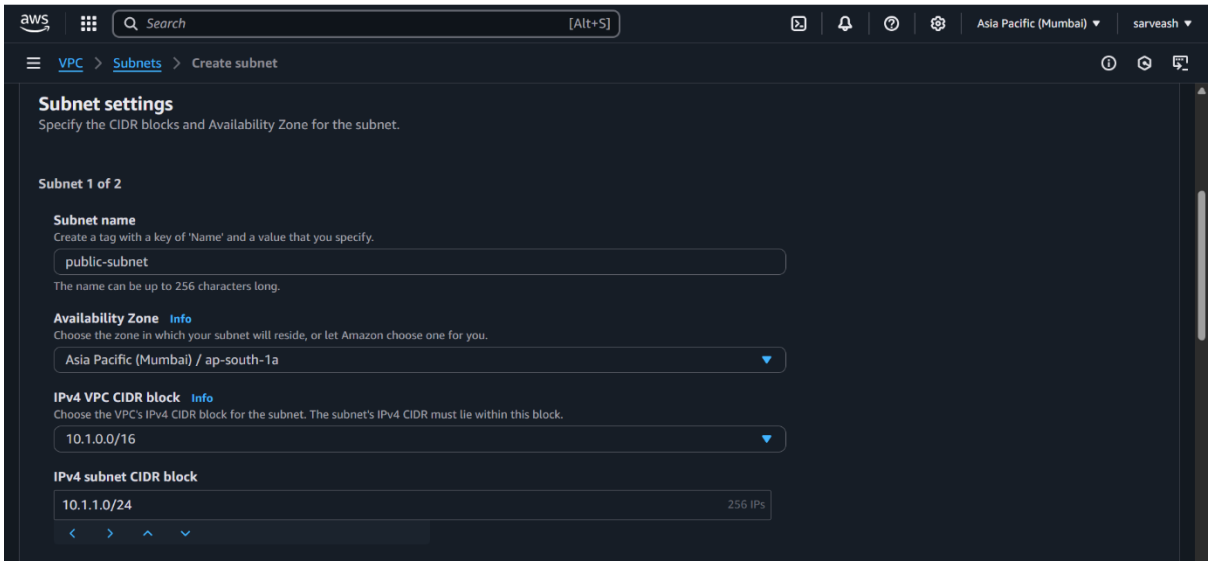
Step 2 : click into create vpc.



Step 3 : fill the required fields like vpc only and the name of the vpc. After that fill the CIDR range for the vpc. Lastly click on the create button.



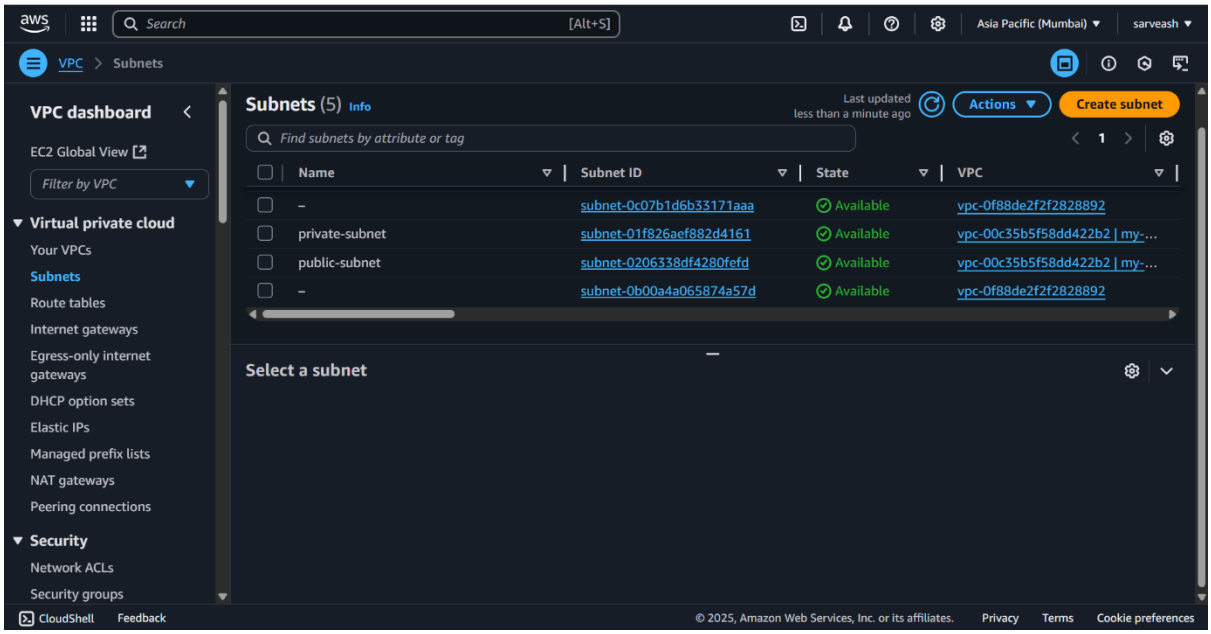
Step 4 : Next go to subnets and click on to create subnets.



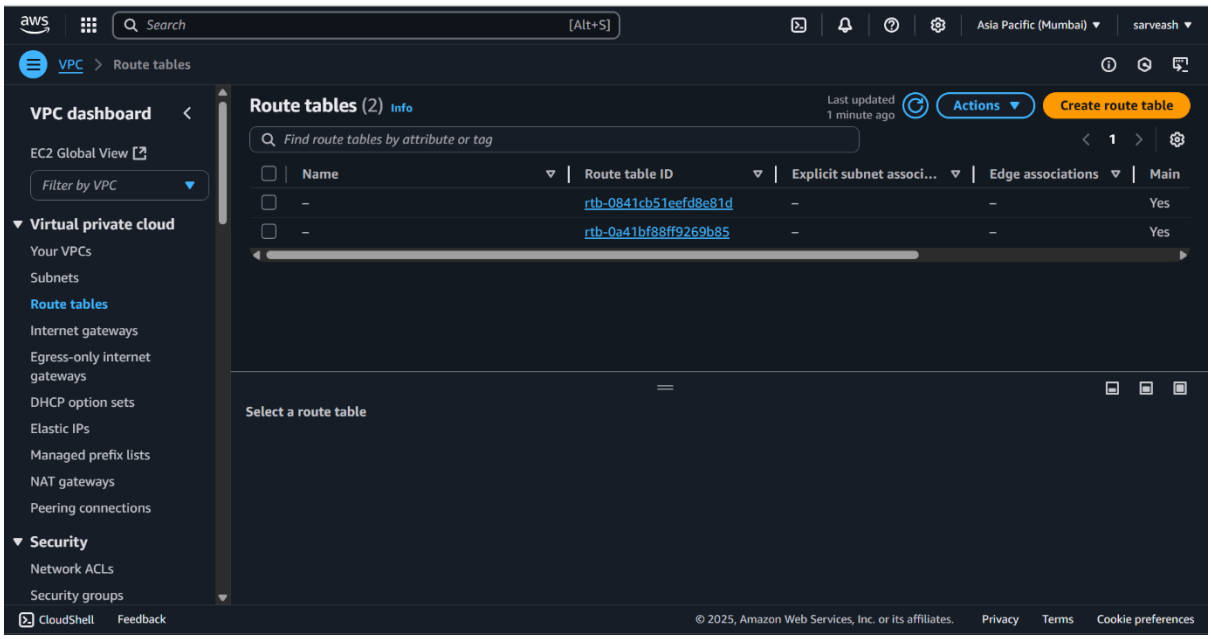
Step 5 : In that select the vpc in which the subnet will be present.

Step 6 : After step 5 fill up the required fields such as subnet name, availability zone, ipv4 CIDR block of vpc and CIDR block for subnet.

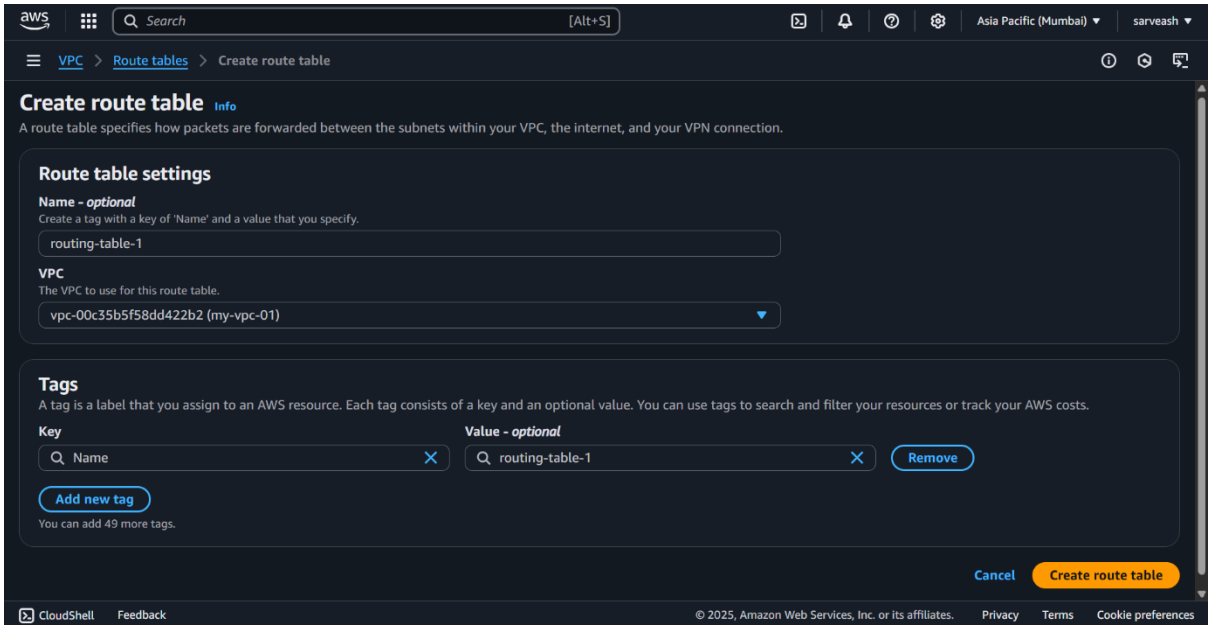
Step 7 : Lastly click on create subnet.



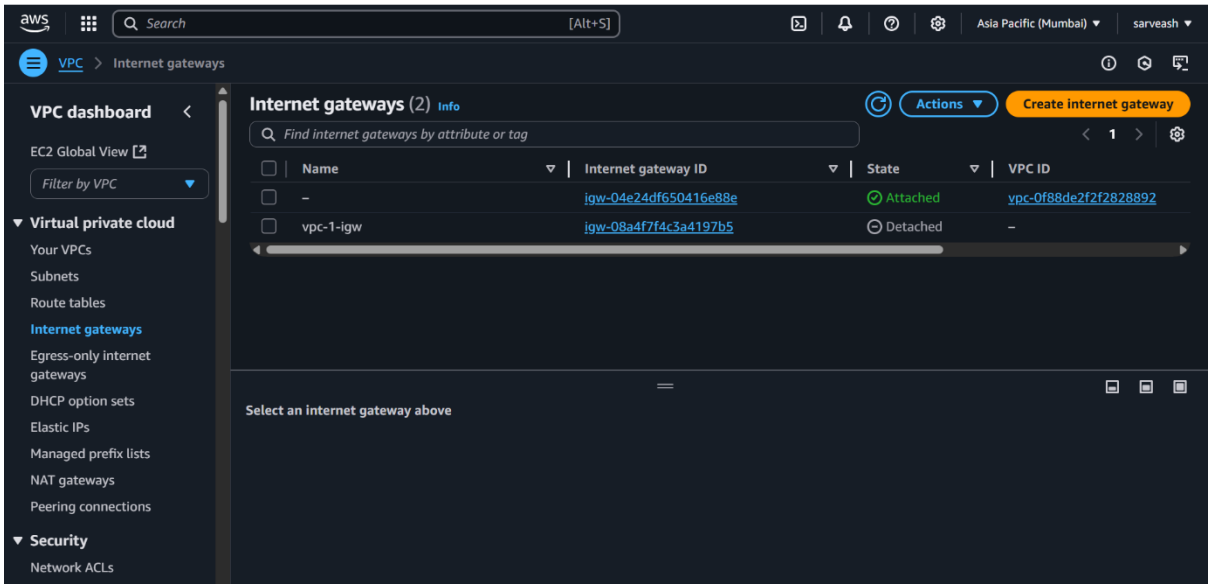
Step 8 : Here you subnets as ben created public subnet and private subnet.

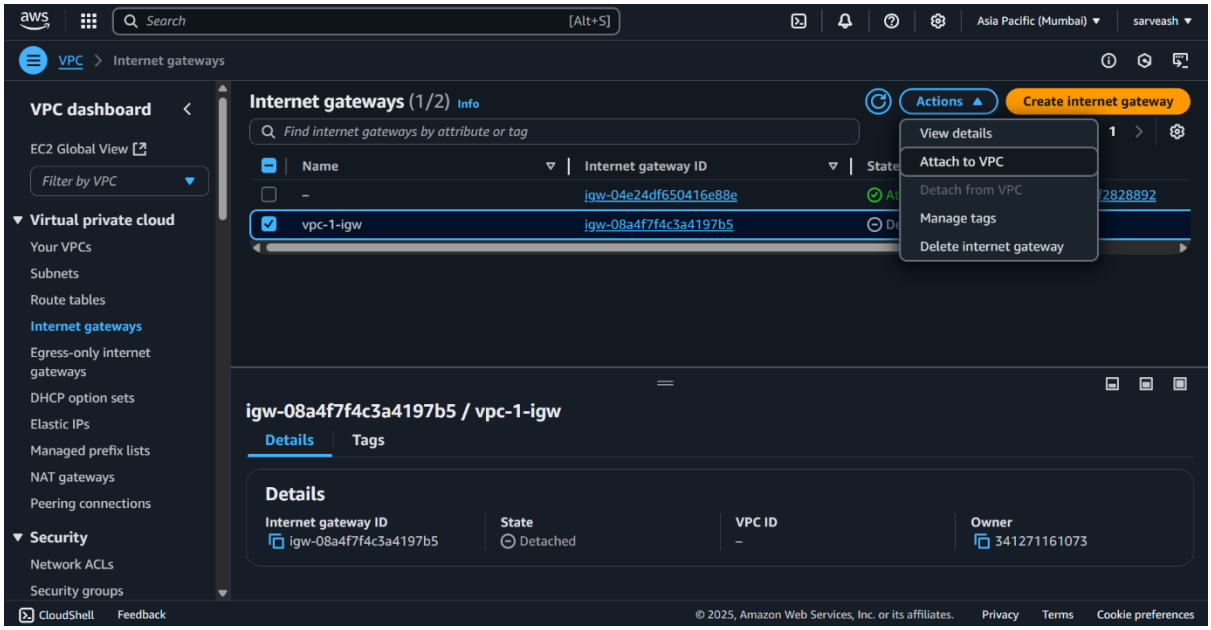


Step 9 : After step 8 go to routing tables and click on to the create route table.

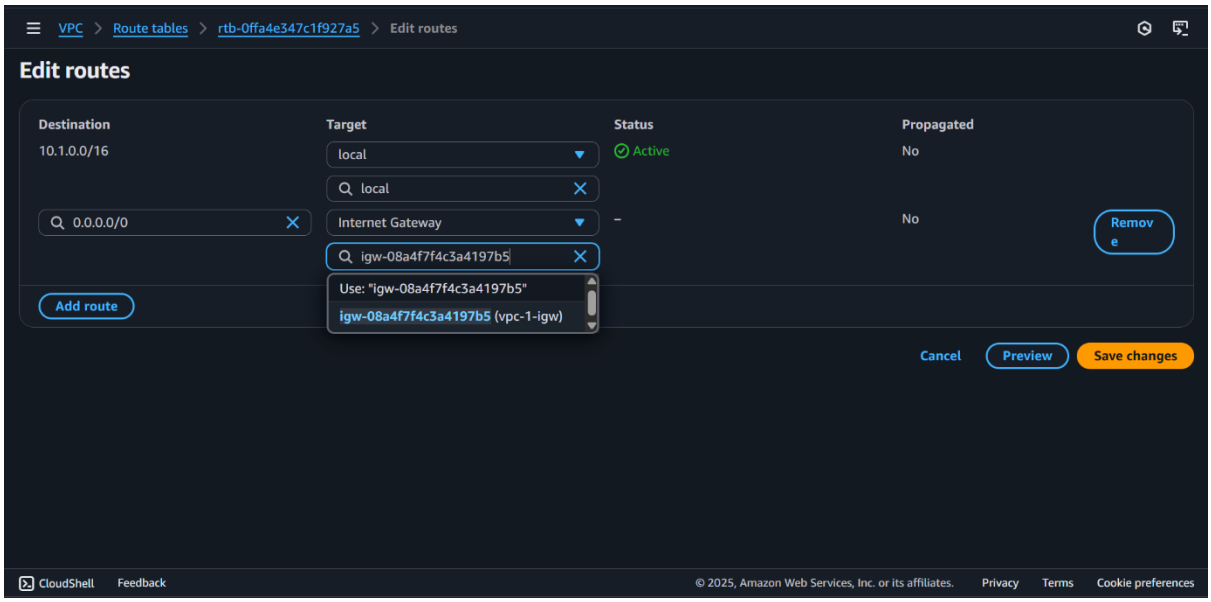


Step 10 : In that fill the name of the route table and fill the vpc that will be used by the routing table. After filling click on create route table.

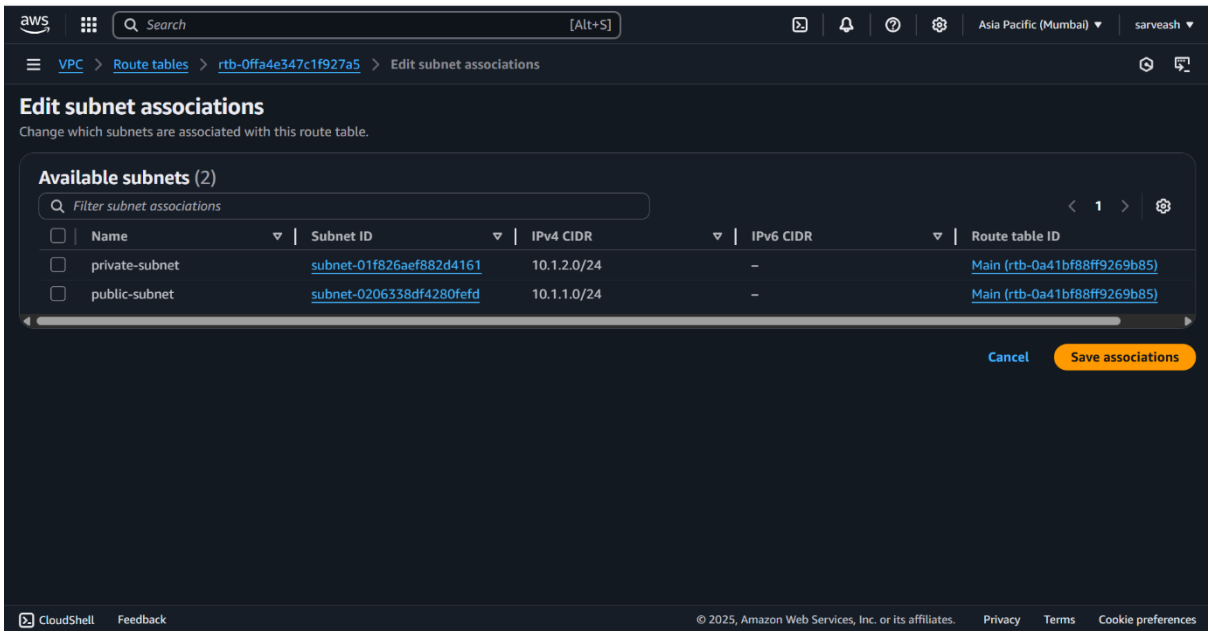




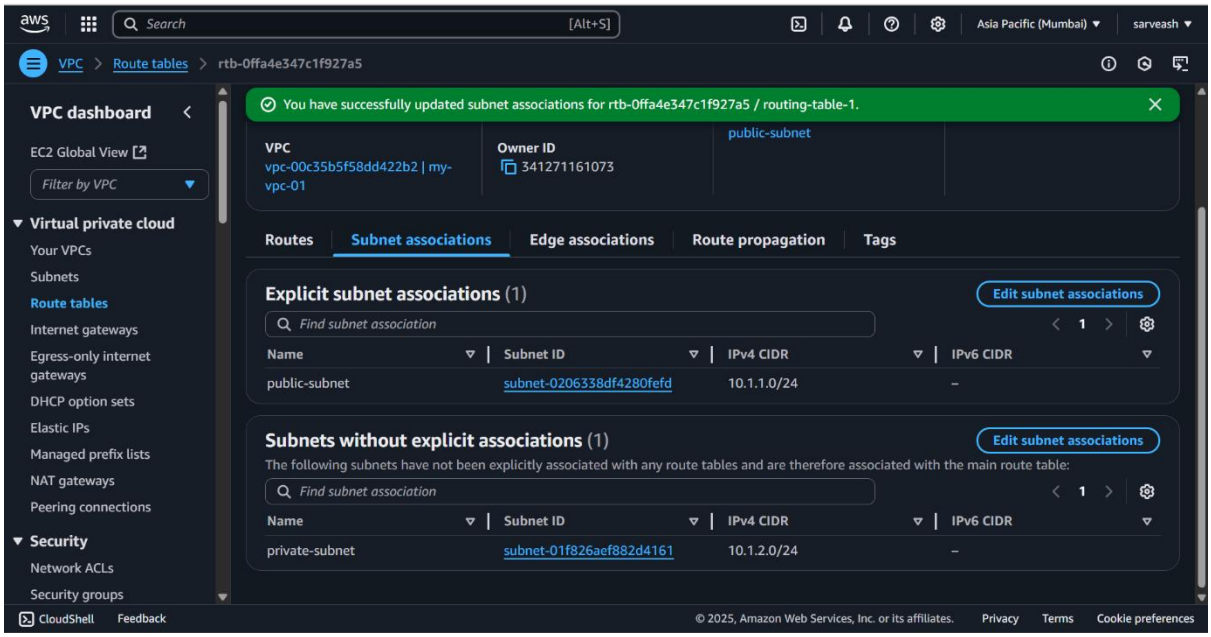
Step 11 : After that go to internet gateway and create a internet gateway and attach it to the vpc.



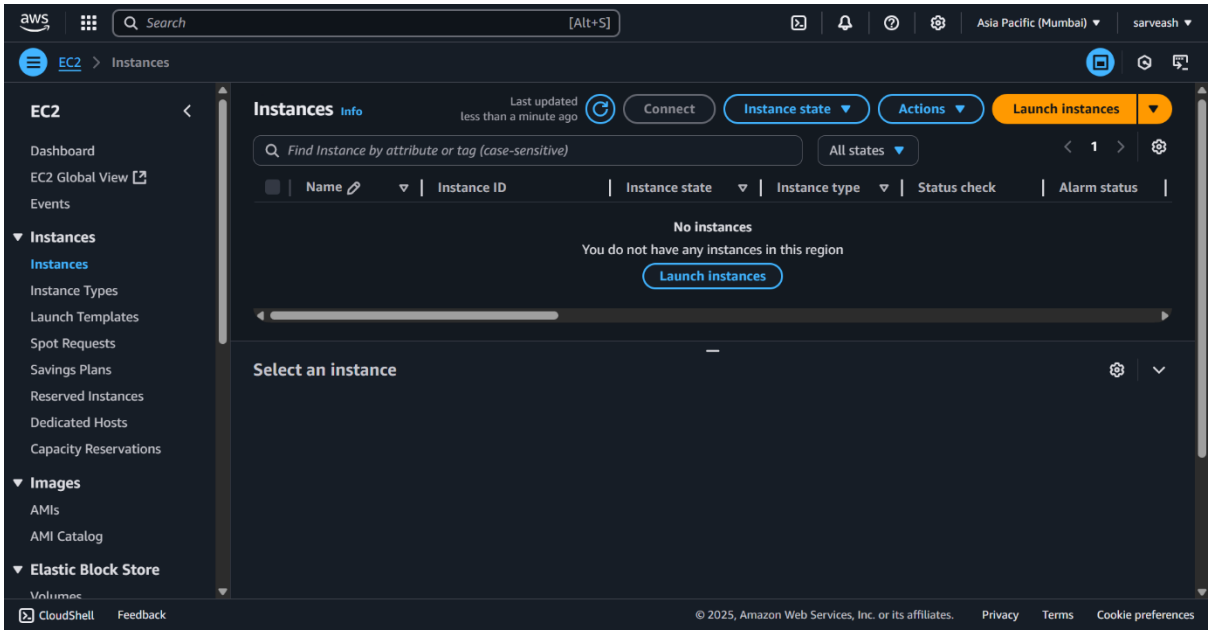
Step 12 : After that go to routing table and select the routing table you have created and click on edit route and add the internet gateway that you have been created and click on save the changes.



Step 13 : After step 12 go to edit subnet association of the created routing table. And select the subnet that you want to associate with the routing table.In this case select public subnet.

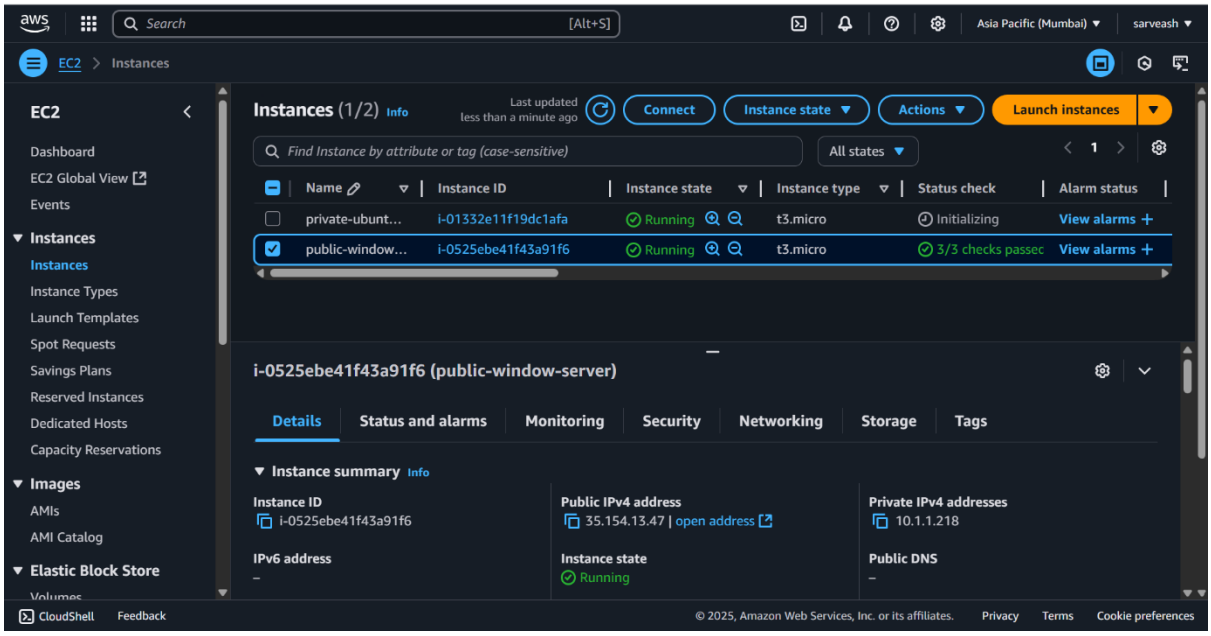


Step 14 : Here you can see that the public subnet is associated with the subnet that has been created by us and the private subnet has been associated with the main route table.



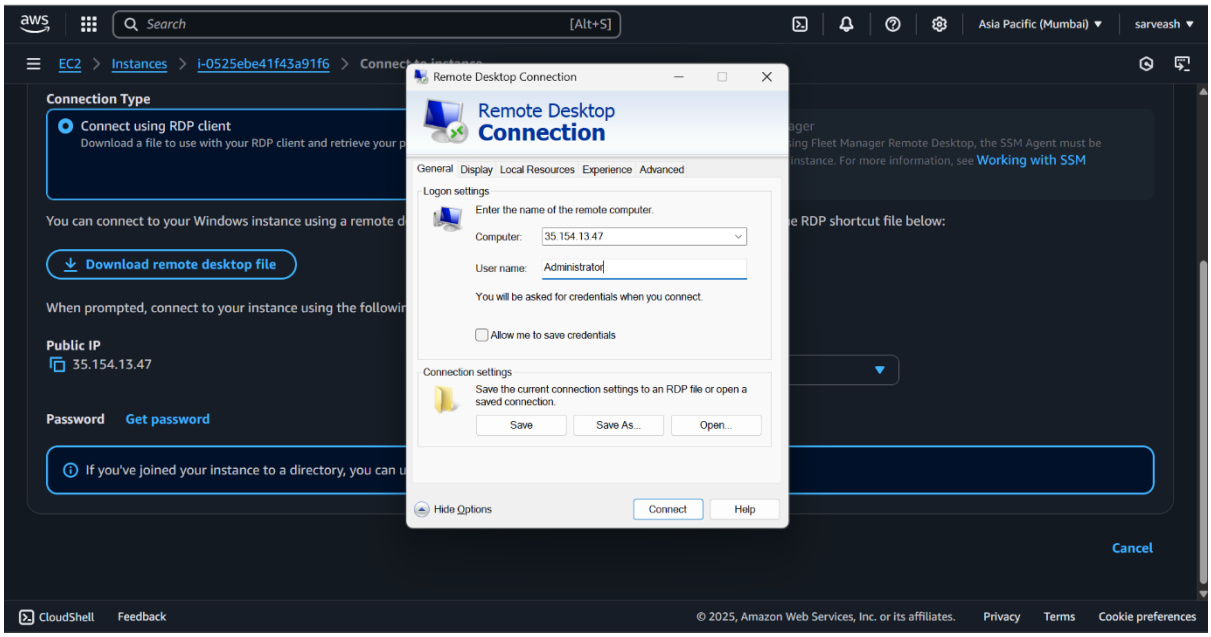
Step 15 : Next in search box search for EC2 . click on it and go to instances.

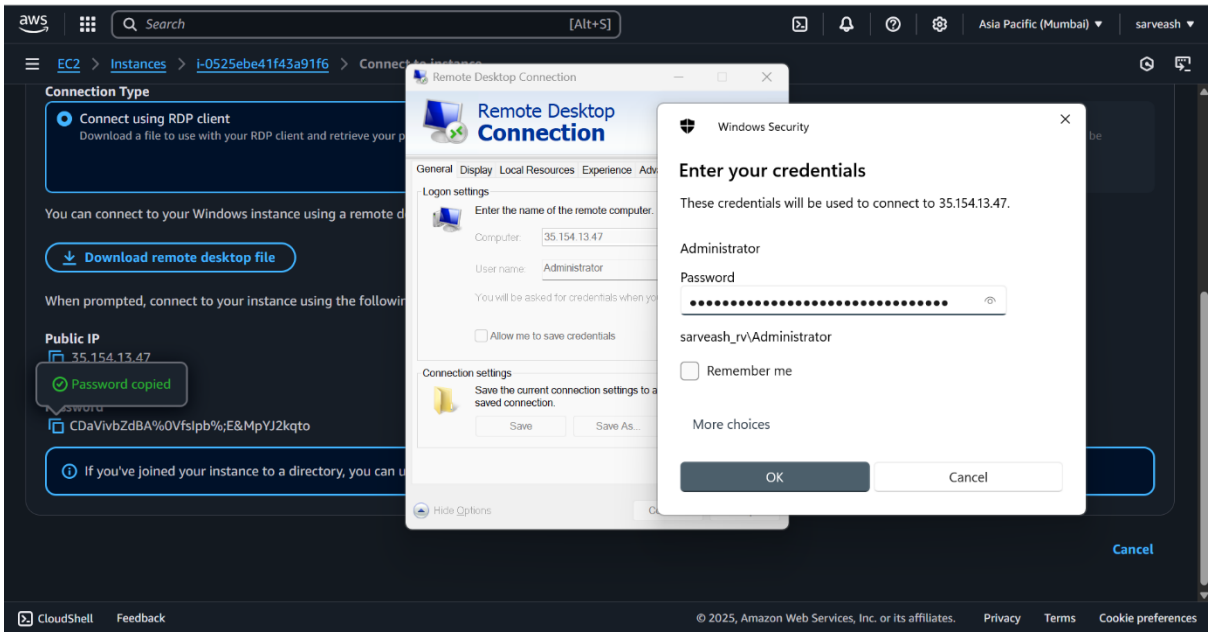
Step 16 : After step 15 click on launch instances.



Step 17 : After filling up the fields and all other neccessory details click on launch instance. Here create two instances window and ubuntu instances.**Note**(The VPC will be the same and for windows

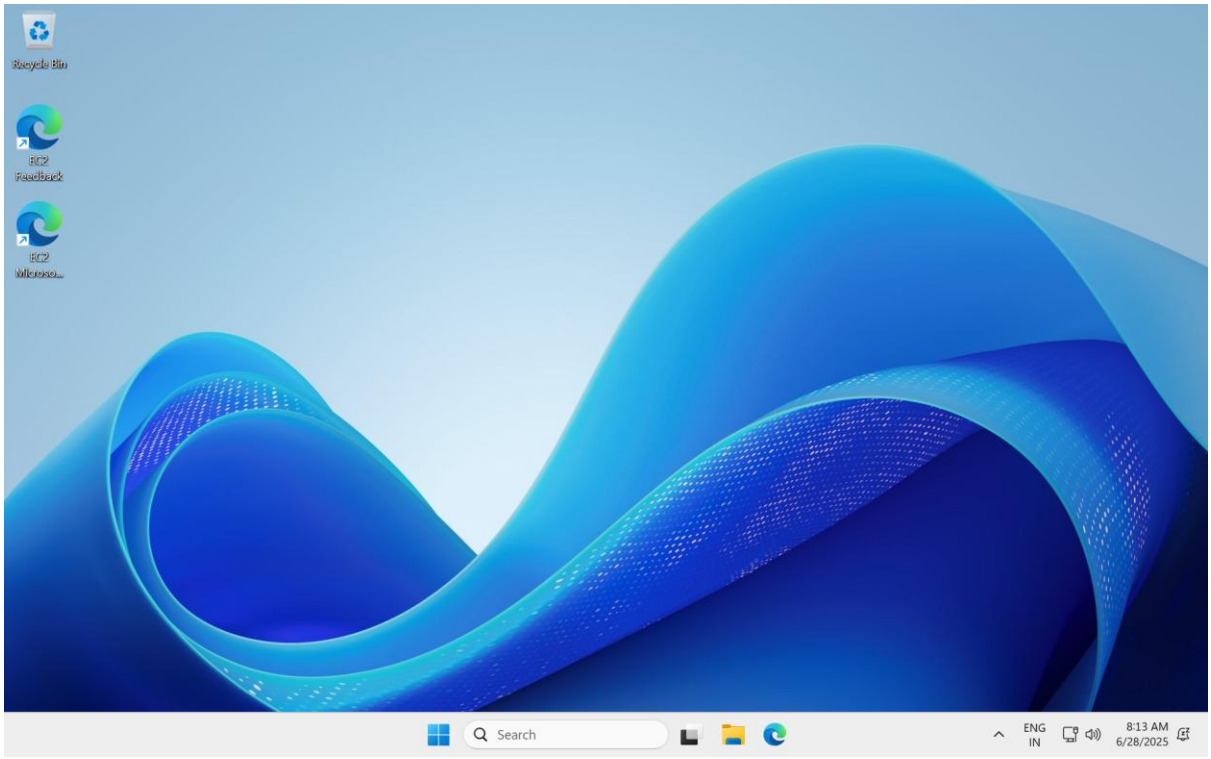
instance in the subnet field choose public subnet where as for ubuntu instance choose private subnet.)



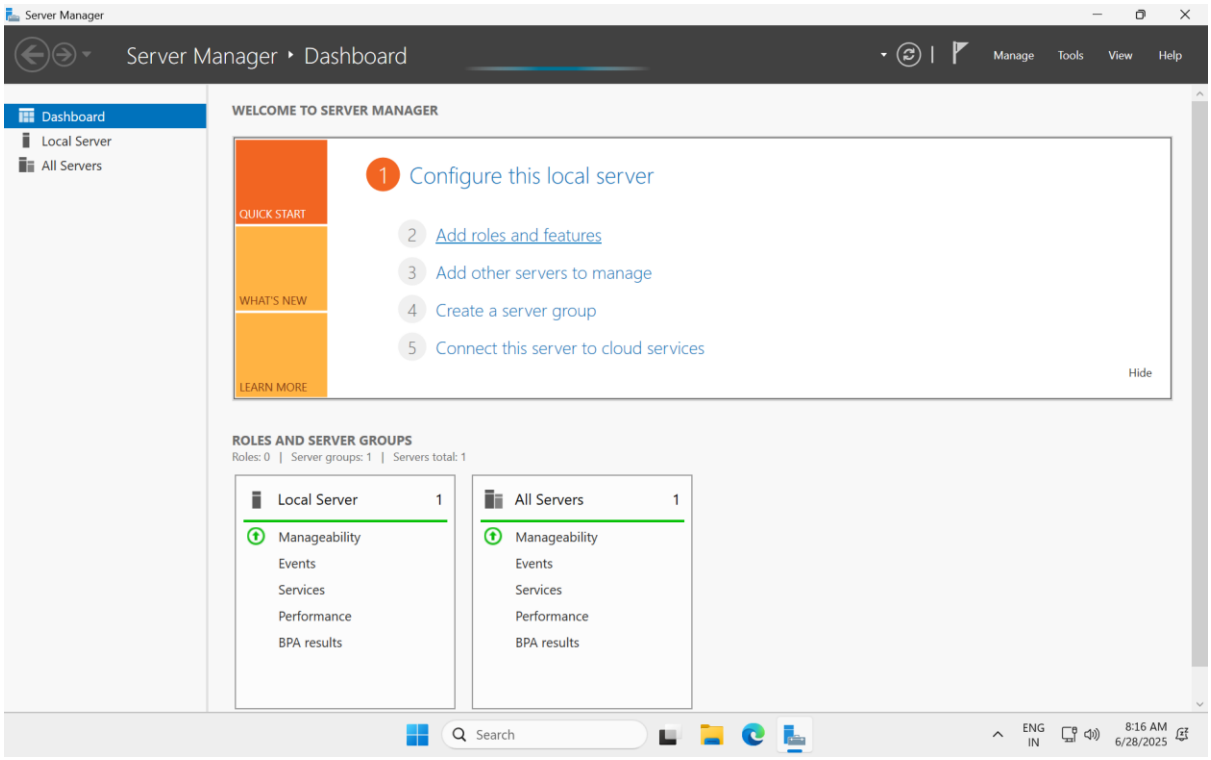


Step 18 : In you pc go to remote desktop connection and give the public ipv4 of the windows server.So for username click on connect on the instances dashboard and go to rdp client there you can find the user name.

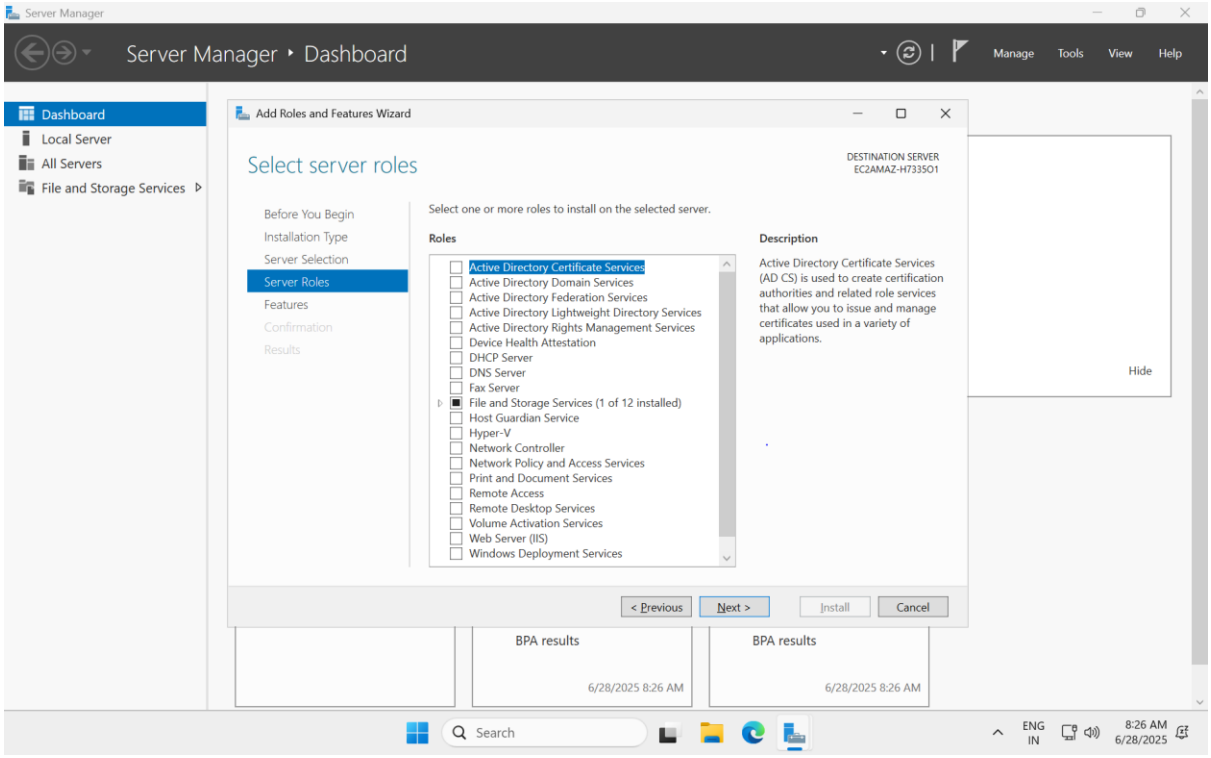
Step 19 : And as for the password click on get password and upload the key-pair pem file and copy the password and click on ok it will lead you the remote server .

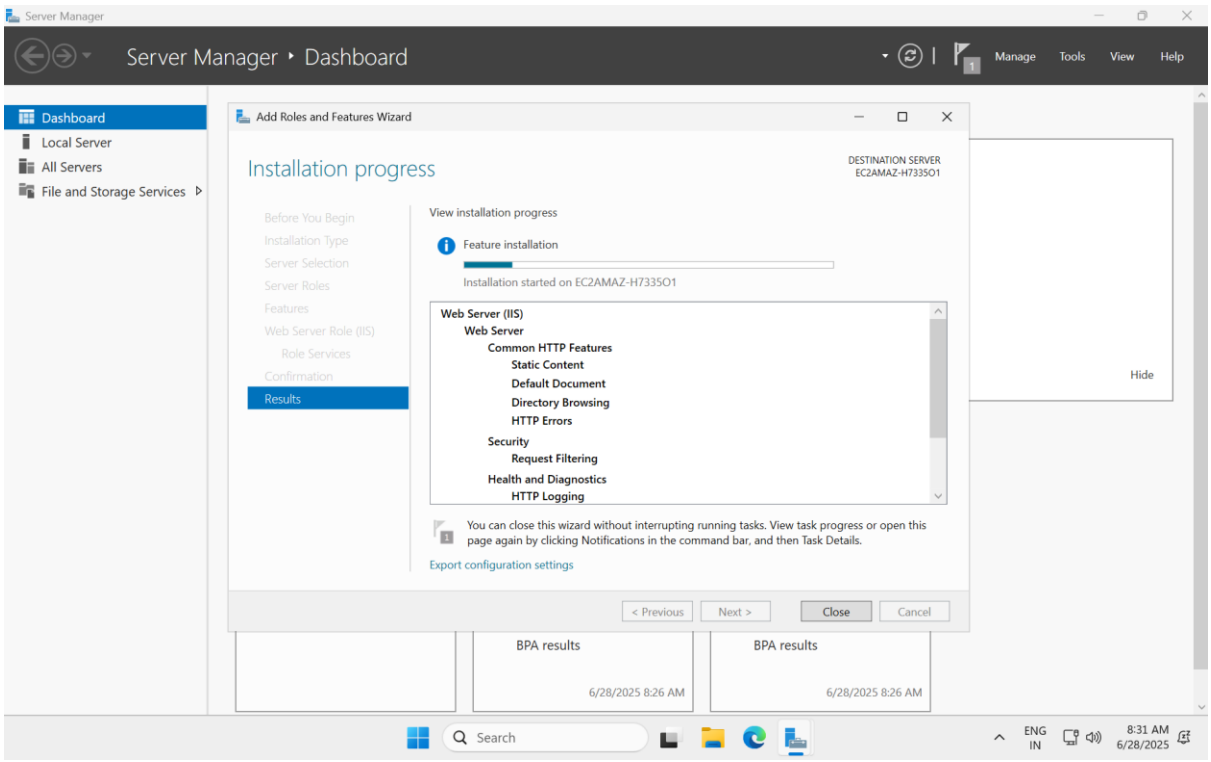


Step 20 : The above figure is the remote ec2 server **.**

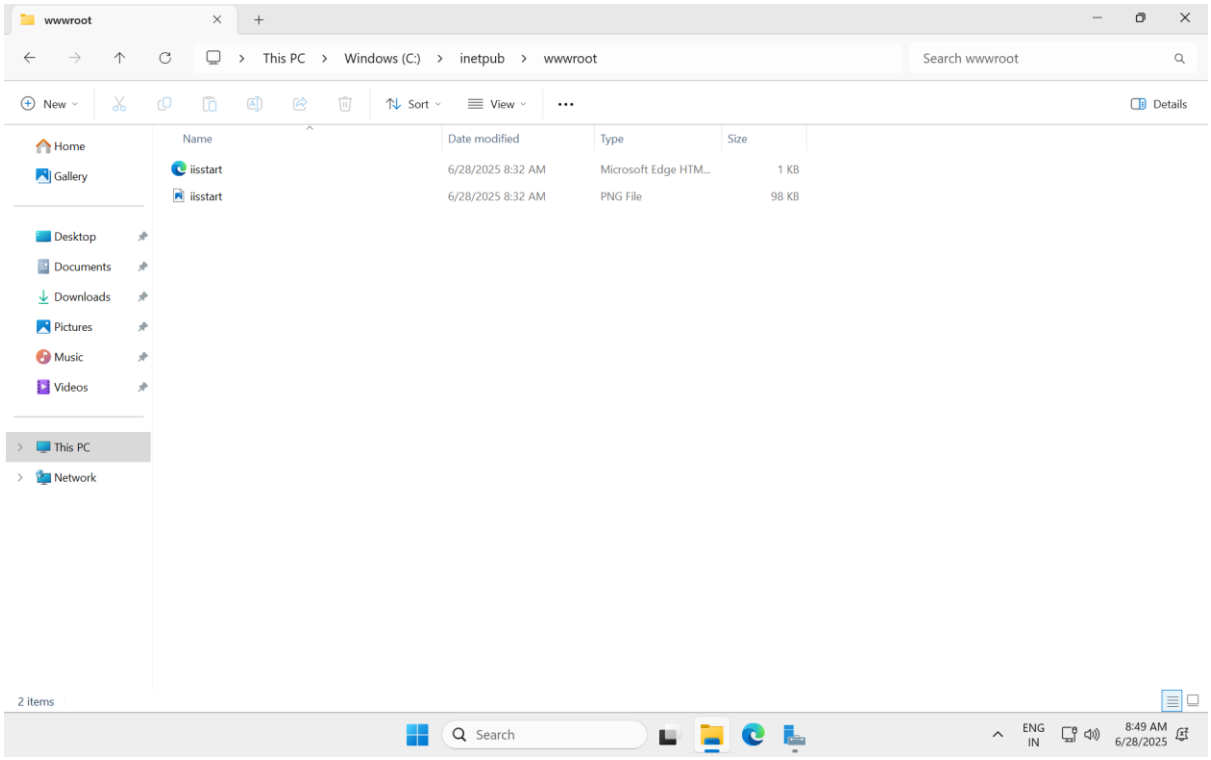


Step 21 : After that go to server manager and click on add roles and features . After that click next for three times .





Step 22 : Here click on to Web server IIS so that the remote server will acts as web server.Click on next and the click on install.


wwwroot
This PC › Windows (C:) › inetpub › wwwroot
Search wwwroot
New
Sort
View
Details
Home
Gallery
Desktop
Documents
Downloads
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Music
Videos
This PC
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iisstart
6/28/2025 8:32 AM
Microsoft Edge HTM...
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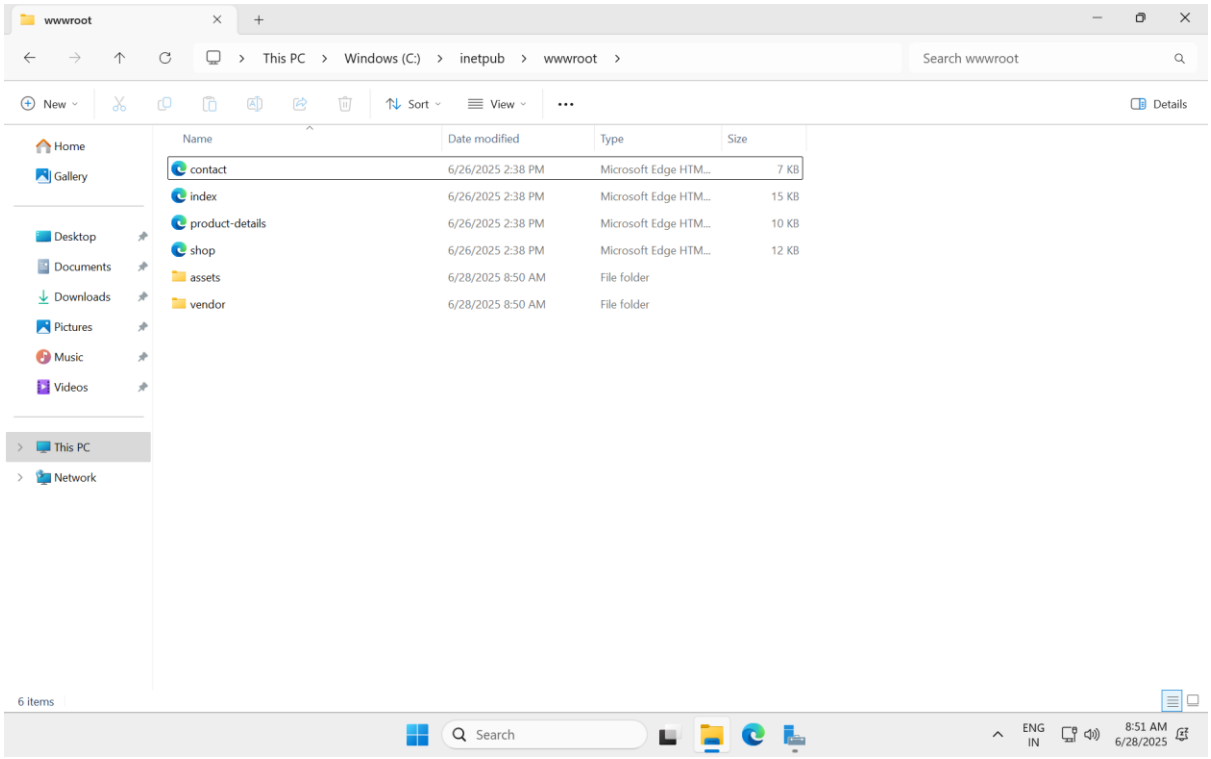
wwwroot
This PC › Windows (C:) › inetpub › wwwroot ›
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New
Sort
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Home
Gallery
Desktop
Documents
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6/26/2025 2:38 PM
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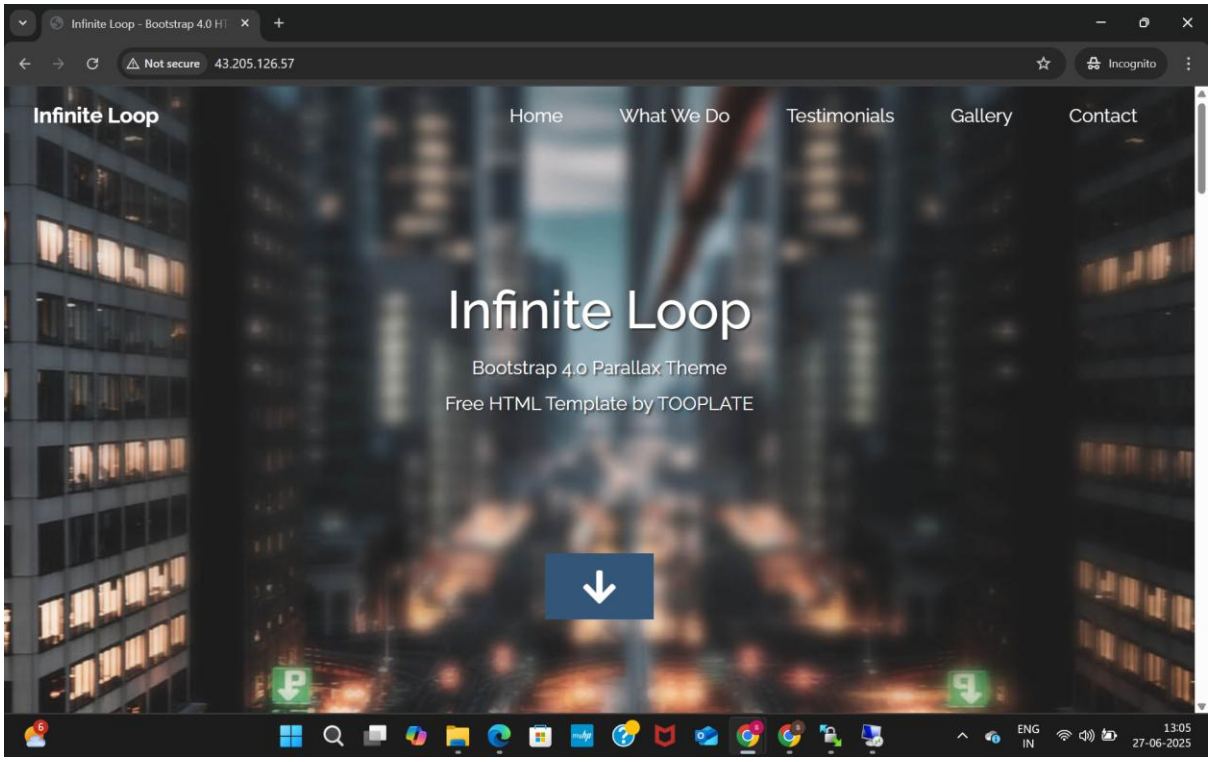
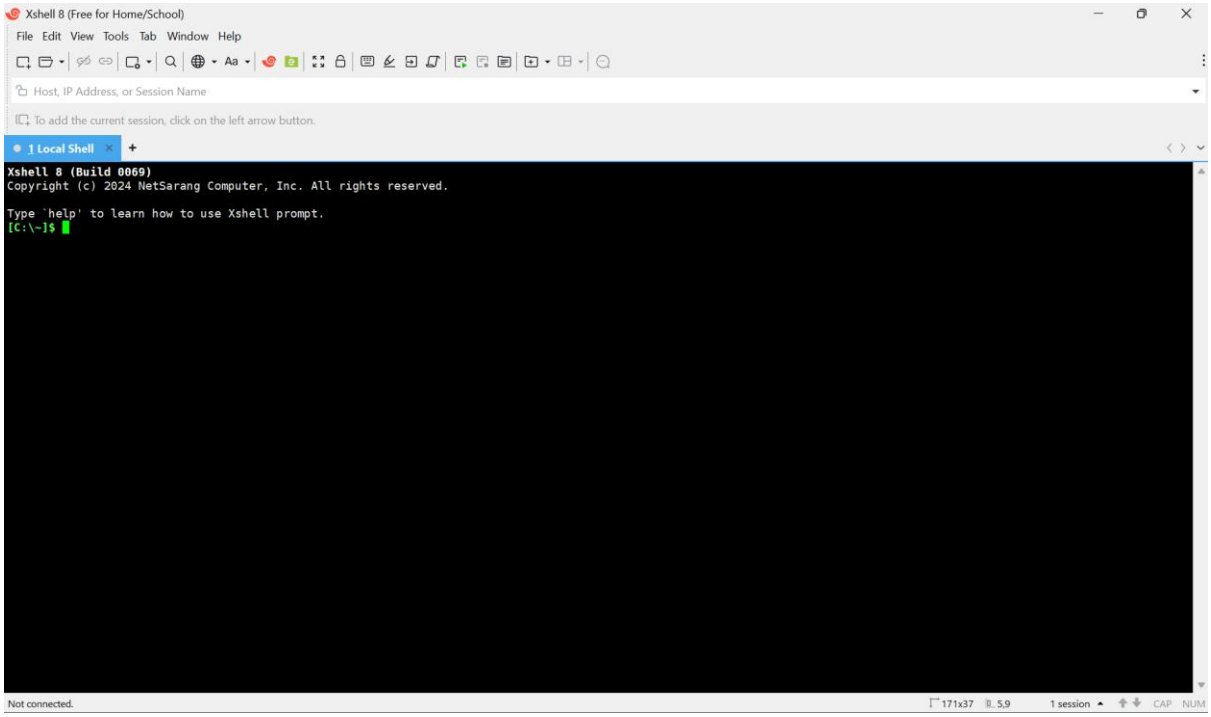
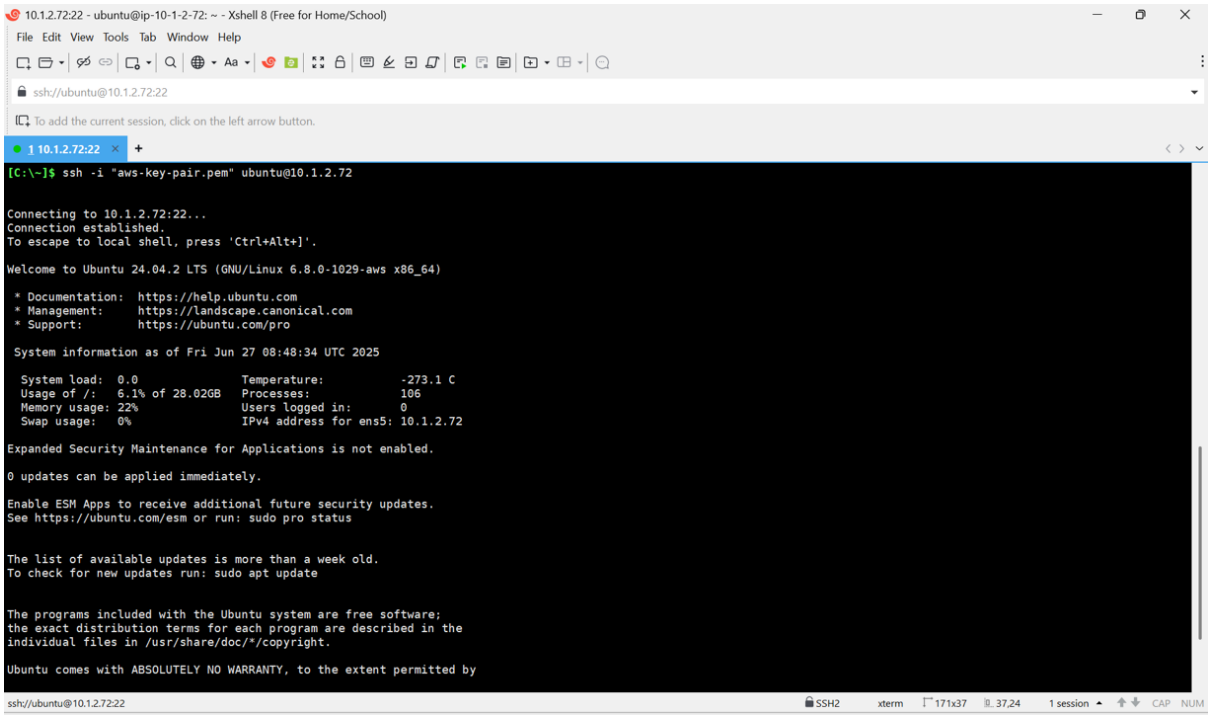


Step 23 : After that go to files and go to c://intelpub/wwwroot/ and delete the existing file and add the basic html and css file .



Step 24 : In the remote server install xshell (linux or ubuntu interface). And open it.



Step 25 : In that first type ssh -I “aws-key-pair.pem” ubuntu@<private-ipv4 address>.To get it go to ec2 instance select the ubuntu server creatred and click on connect on the above dashboard and go to SSH client And at the bottom you can see it .

Step 26 : Then do the following commands:

~ sudo su

~ cd

~ sudo apt update

~ sudo apt install apache2

Step 27 : With this we will able to make the ubuntu server as the webserver.