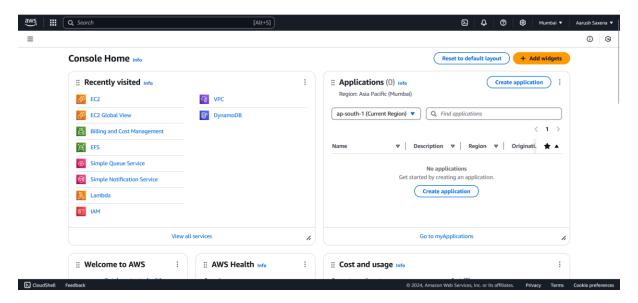
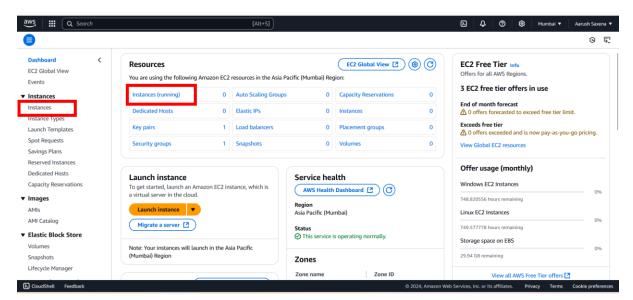
Load Balancer(Application Load Balancer)

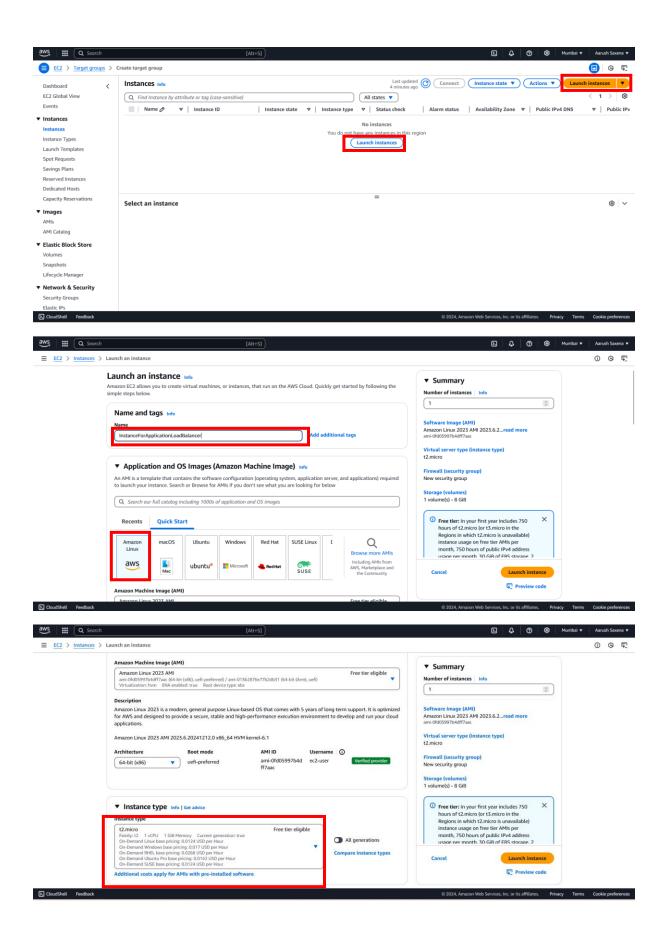
Step1: Log-in to your amazon web service console and search for EC2 service.

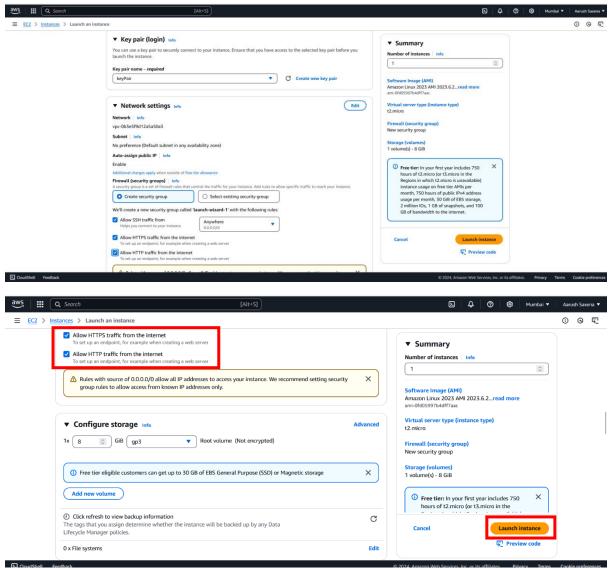


You will see a console as shown in image given below click on instances and create instances.

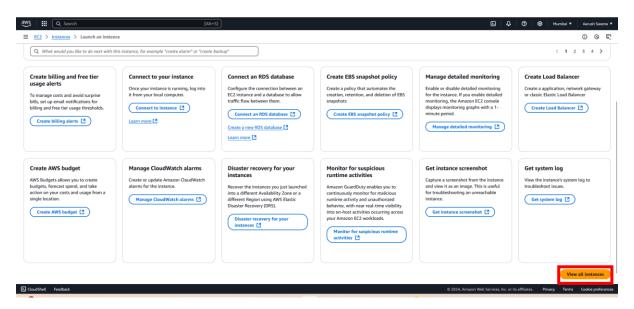


click on launch instances. And type your instance name and select your AMI according to your requirements. Choose t2.micro or as per your requirement and allow http and https traffic.

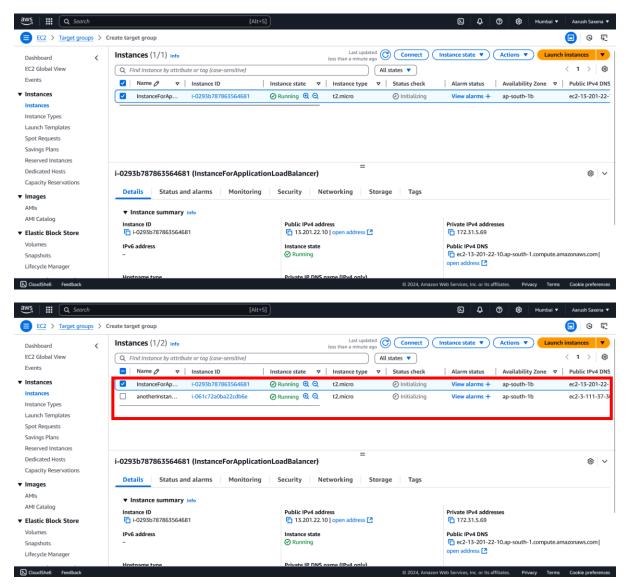




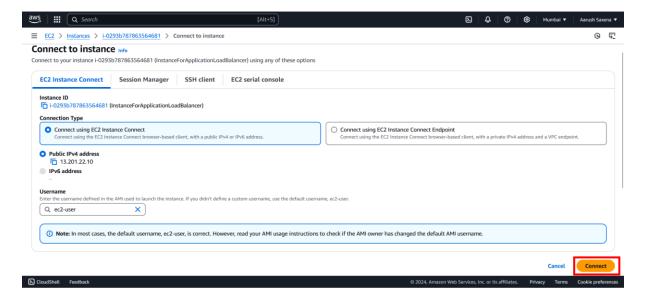
after that click on launch instance a window will appear to see your instances click on view all instances.



Now as shown in image given below you can see our instances has been created now create another instances with same steps.



Select the instances one by one and click on connect button a window will appear as shown in image given below click on connect.

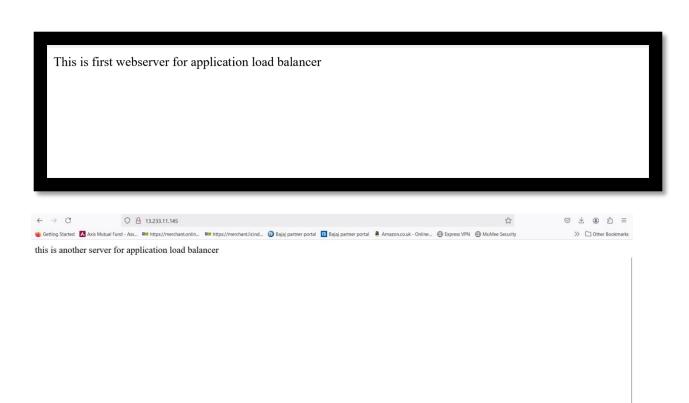


You can see our aws linux has been connected now type some commands to shown in our html page

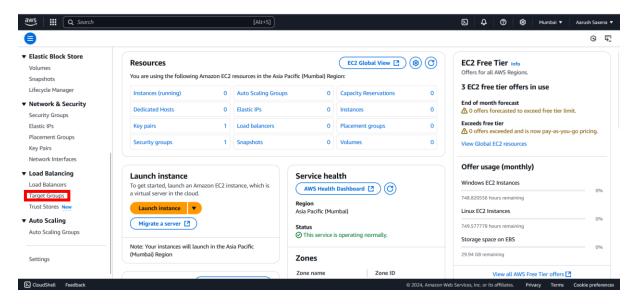
Commands are :-

- 1. sudo su
- 2. yum update
- 3. yum install httpd -y
- 4. systemctl start httpd
- 5. systemctl status httpd
- 6. cd /var/www/html
- 7. echo "this is first webserver" > index.html (type command as your wish)

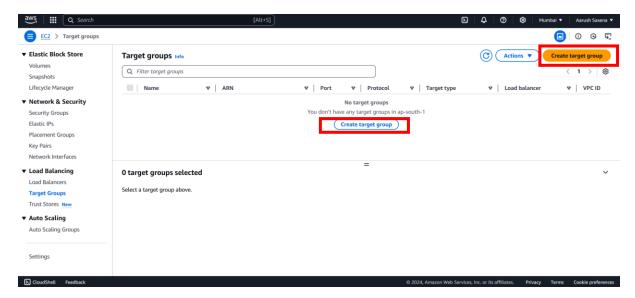




Step2: Now to create Load Balancer we need to create Target groups, we make target groups so that we can transfer traffic to specified targets(servers) and helps to monitor on it easily or easily to maintain.

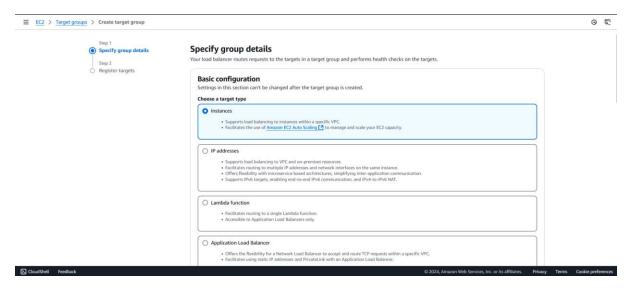


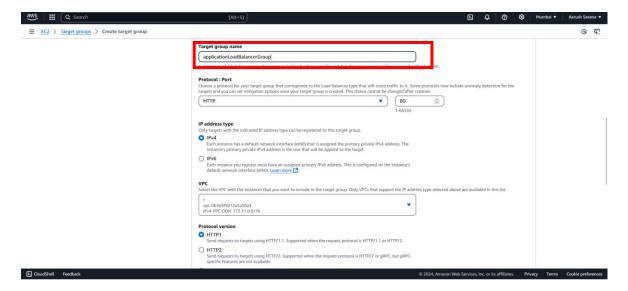
Click on Create target group



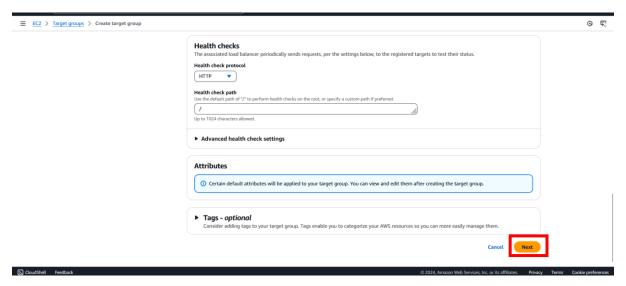
After clicking on it you have to choose target groups on which you have to apply it and access it.

Give name to your target group

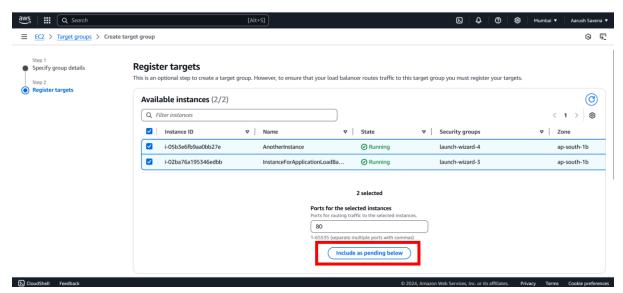


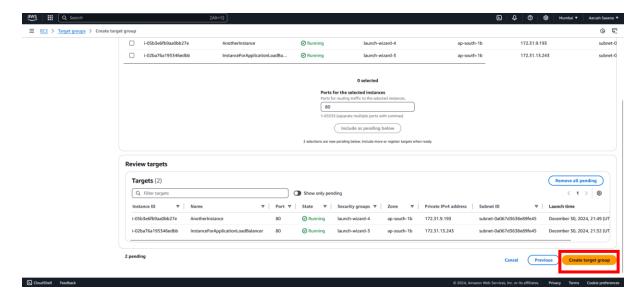


Leave everything to default settings and click on next.

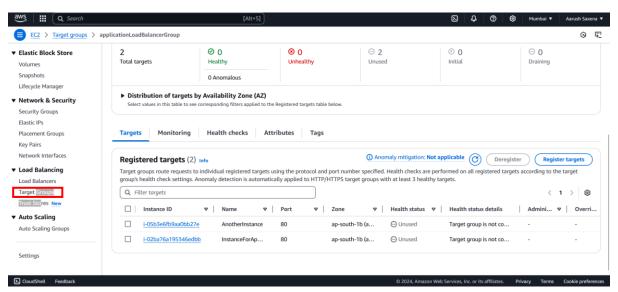


Select the instances and click on include as pending below.

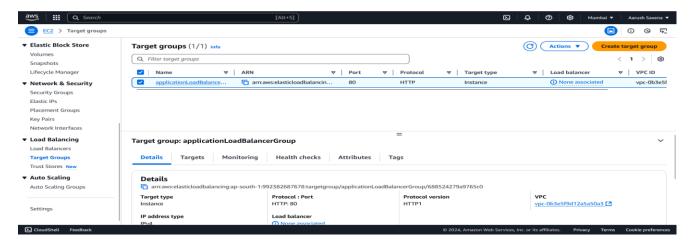




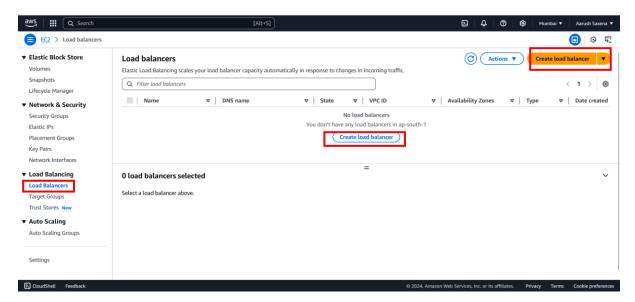
Click on create target group and you will see console as given below.



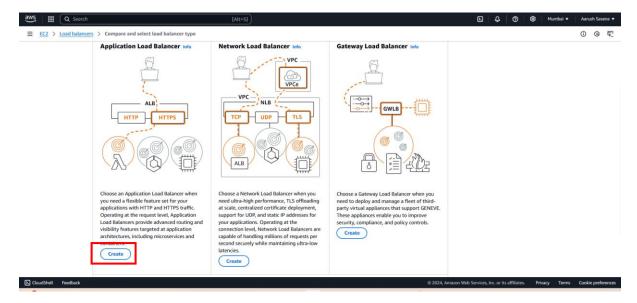
After clicking on target groups you can see target groups has been created



Step3: Click on Load Balancers and create load balancer click on it

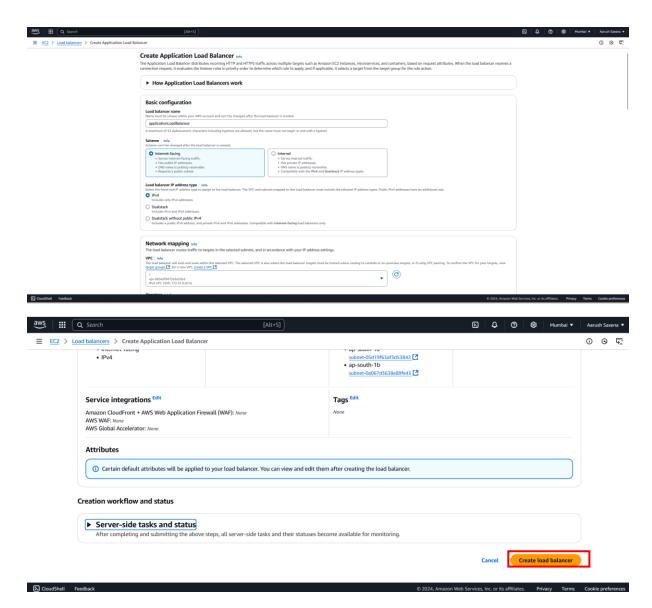


After clicking on it choose application load balancer and click on create.

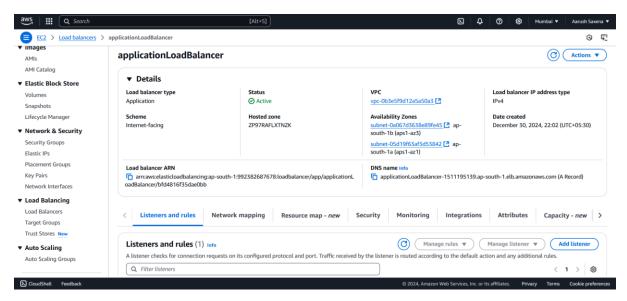


After clicking on it fill the steps as shown in image given below.

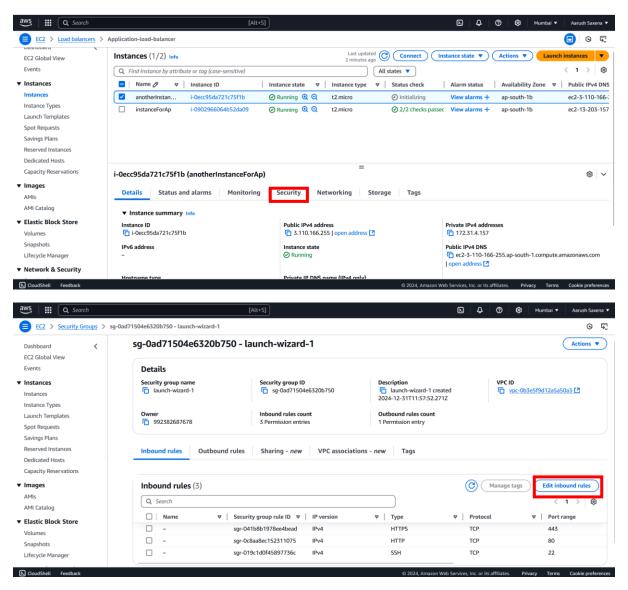
As first give load balancer name and choose internet facing and leave everything to default settings and click on create Load balancer.



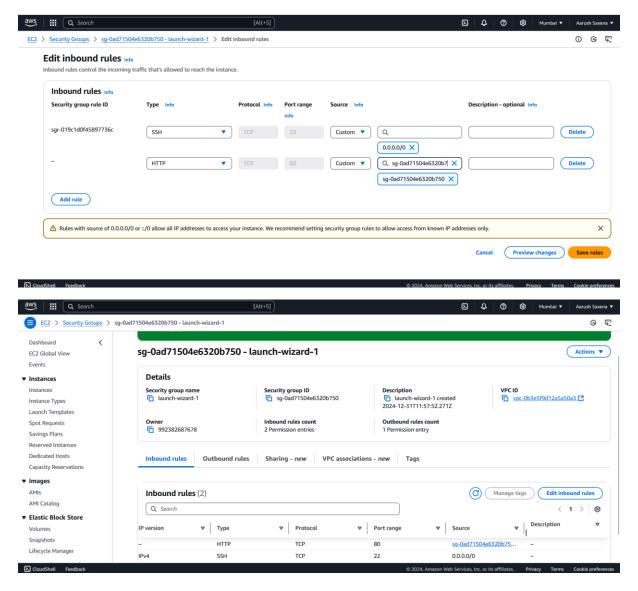
Copy the dns name and paste it to the web, you will see that you can acess the web through it.



But now we get a problem that we can acess the web through ec2 public ip and through application load balancer dns name to remove this problem we need to change the security group settings of EC2.



Delete the old rules and add new rule with load balancer security group so that data can be access through load balancer.



Do the same for other instances.