In this Hands-on we will demonstrate how to use Load balancer works, so for that we need 3 EC2 instances with different web pages running in them.

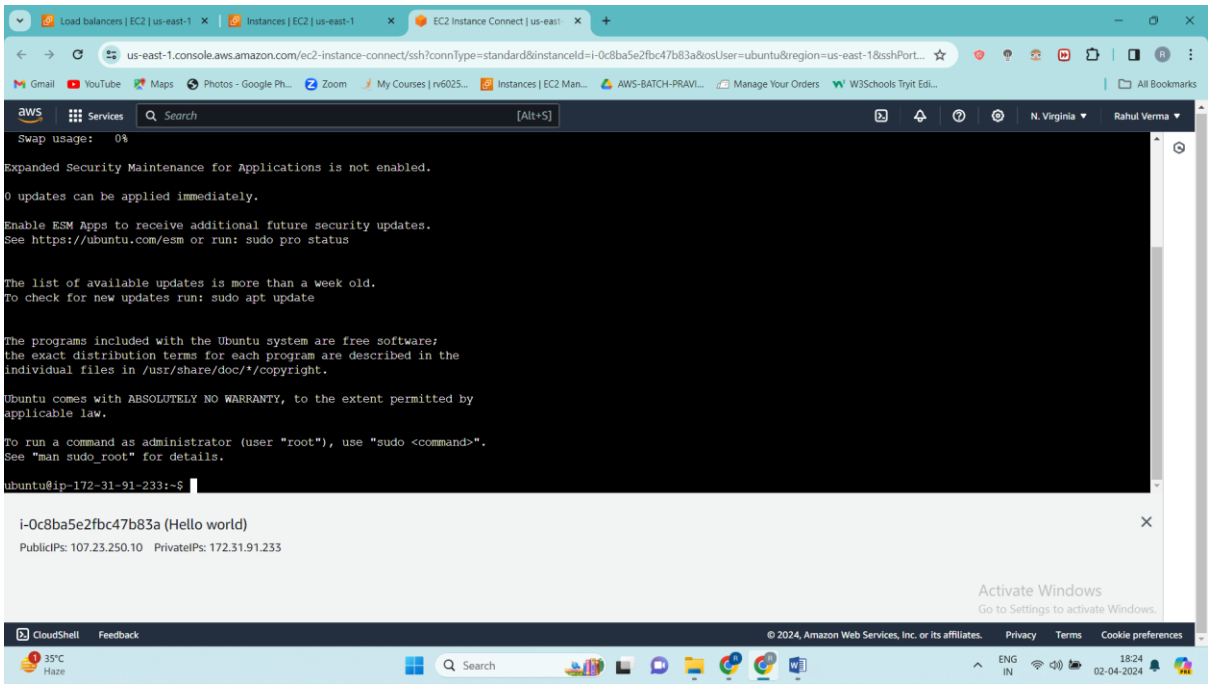
Prerequisite:

1) Create one instance with Hello world page

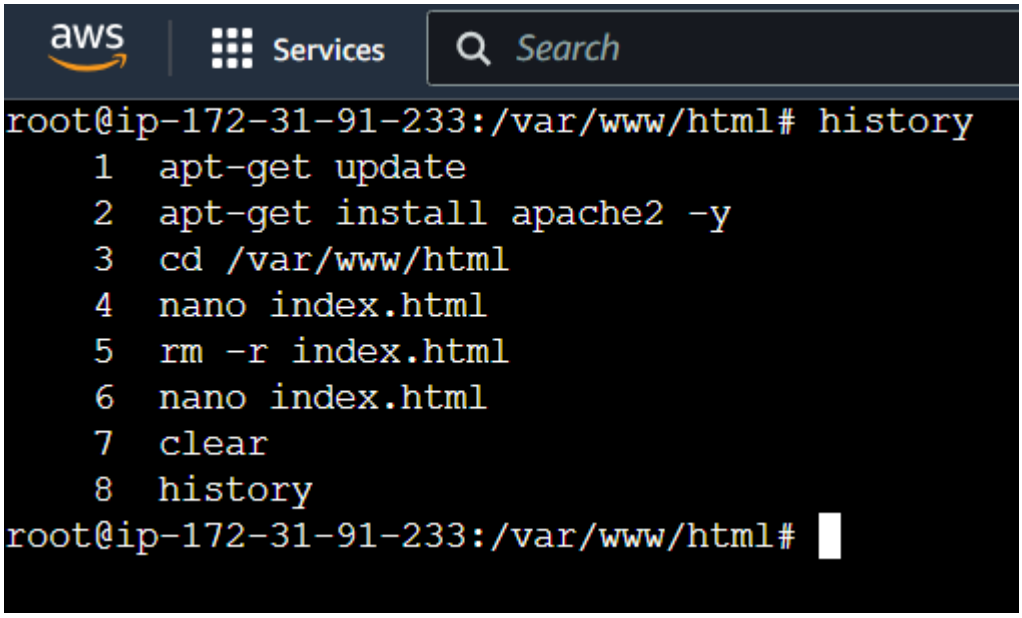
2) Create one instance with Hello AI page

3) Create one instance with Hello cloud

1) It is an Ubuntu instances which consist of Hello world page



Commands to install webpage-

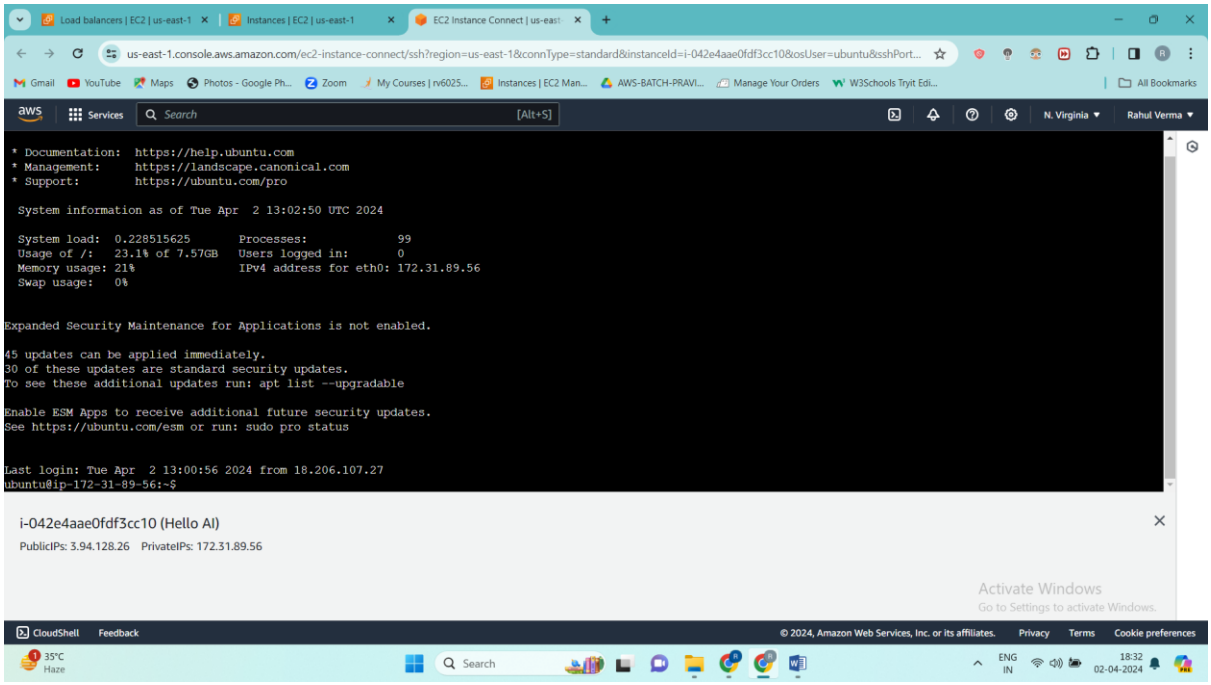


After writing nano index.html command

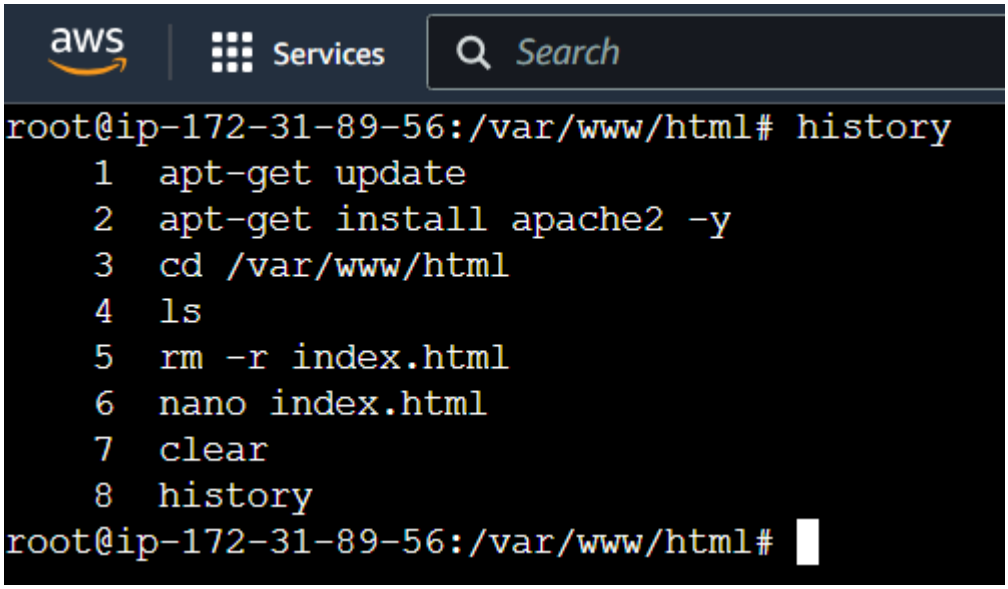
Nano editor will open write “This is a Hello World web page”

Press ctrl+s & ctrl+x (to come out of nano editor)

2) It is an Ubuntu instance which consist of Hello AI web page



Commands to install webpage-

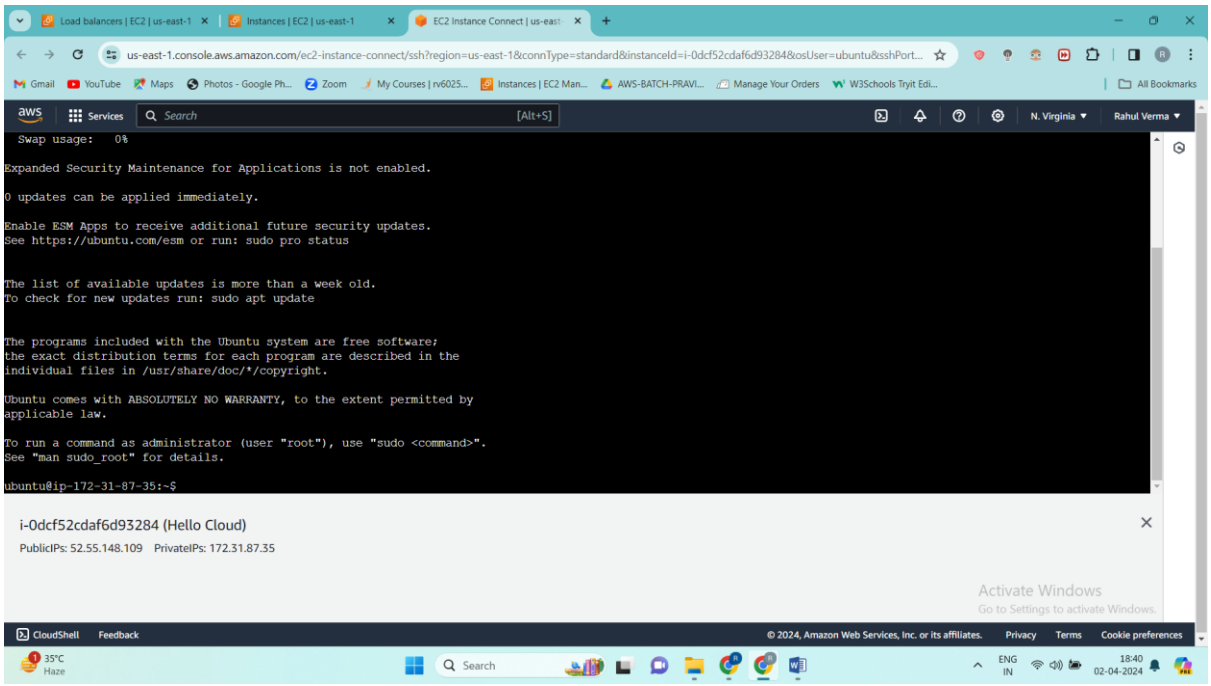


After writing nano index.html command

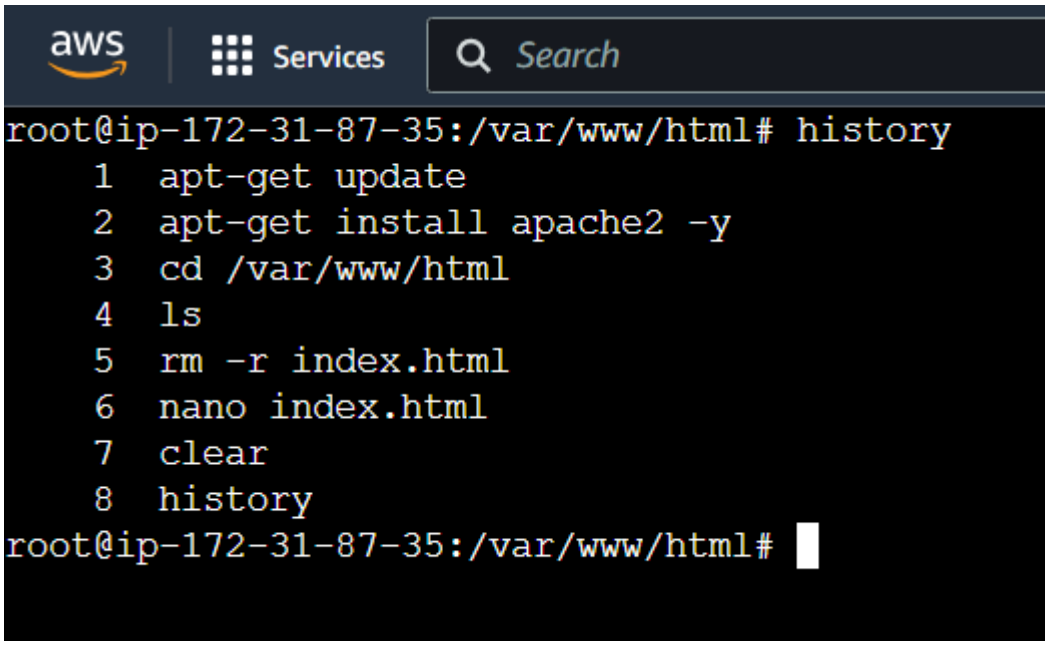
Nano editor will open write “This is a Hello World AI page”

Press ctrl+s & ctrl+x (to come out of nano editor)

3) It is an Ubuntu instance which consist of Hello Cloud web page.



Commands to install webpage-

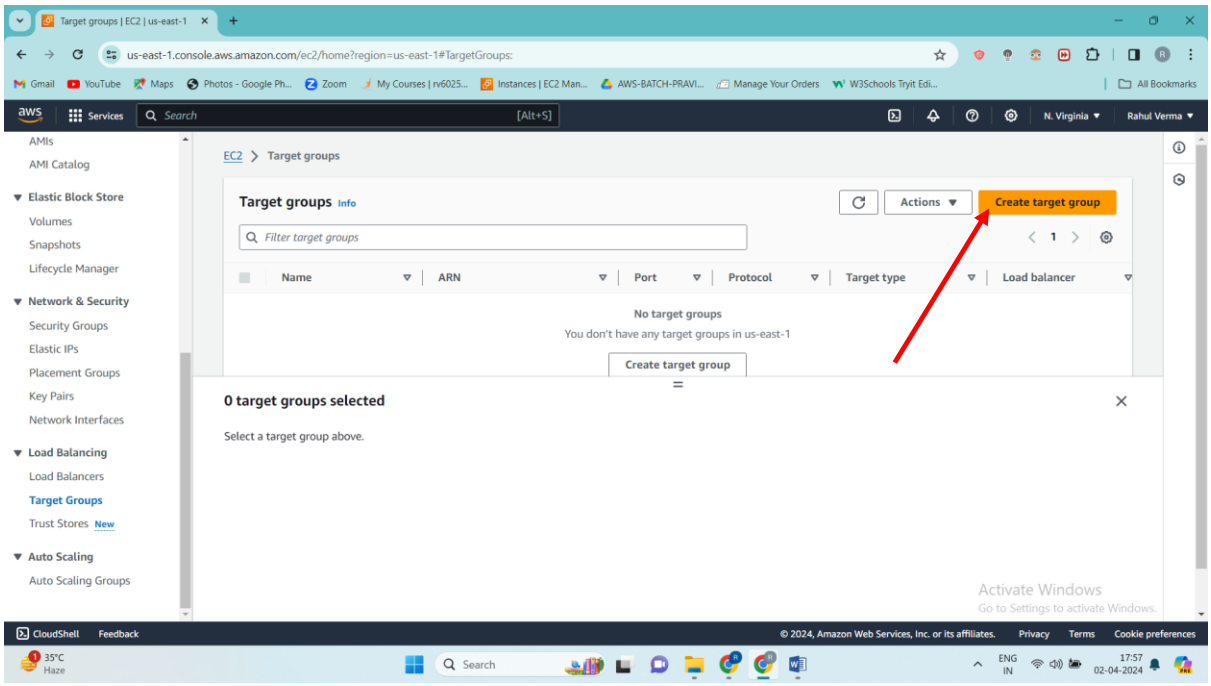


After writing nano index.html command

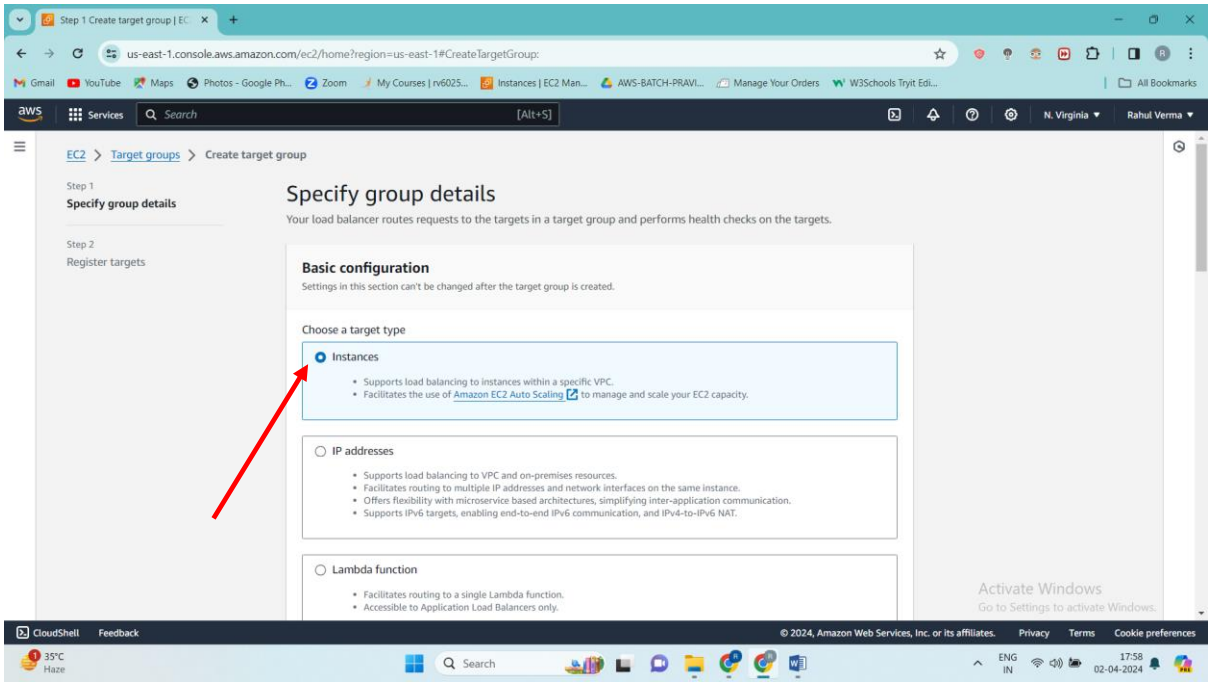
Nano editor will open write “This is a Hello World cloud page”

Press ctrl+s & ctrl+x (to come out of nano editor)

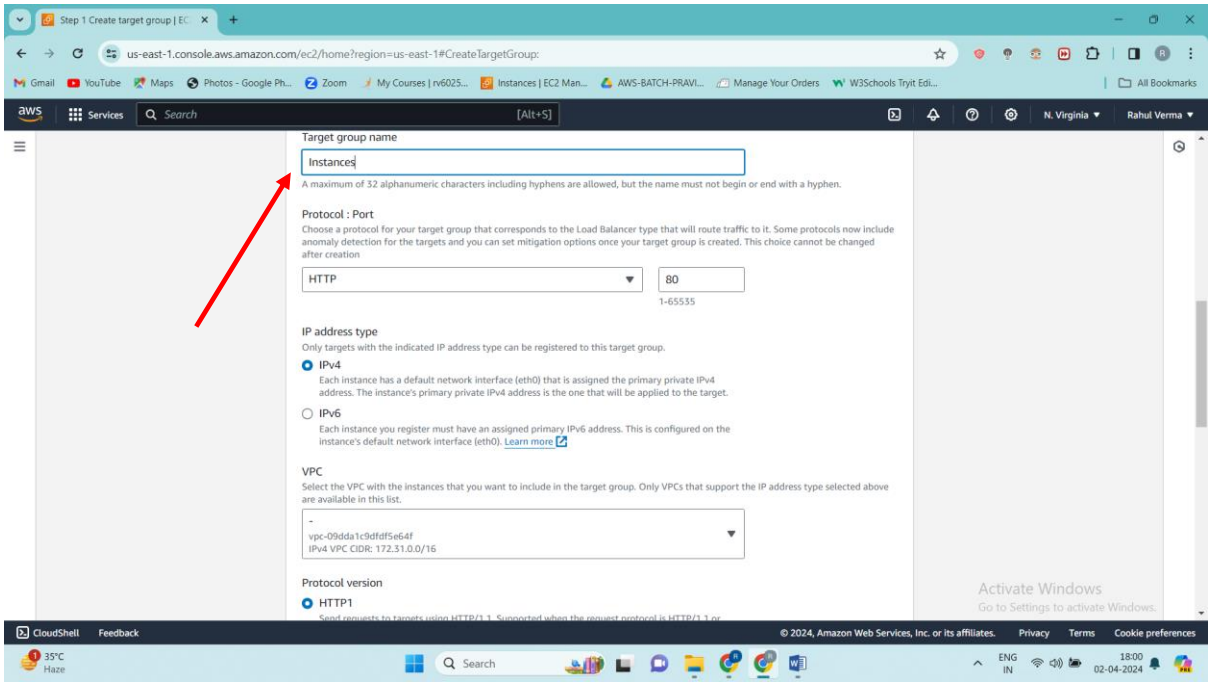
Step 1: Create Target group before creating load balancer



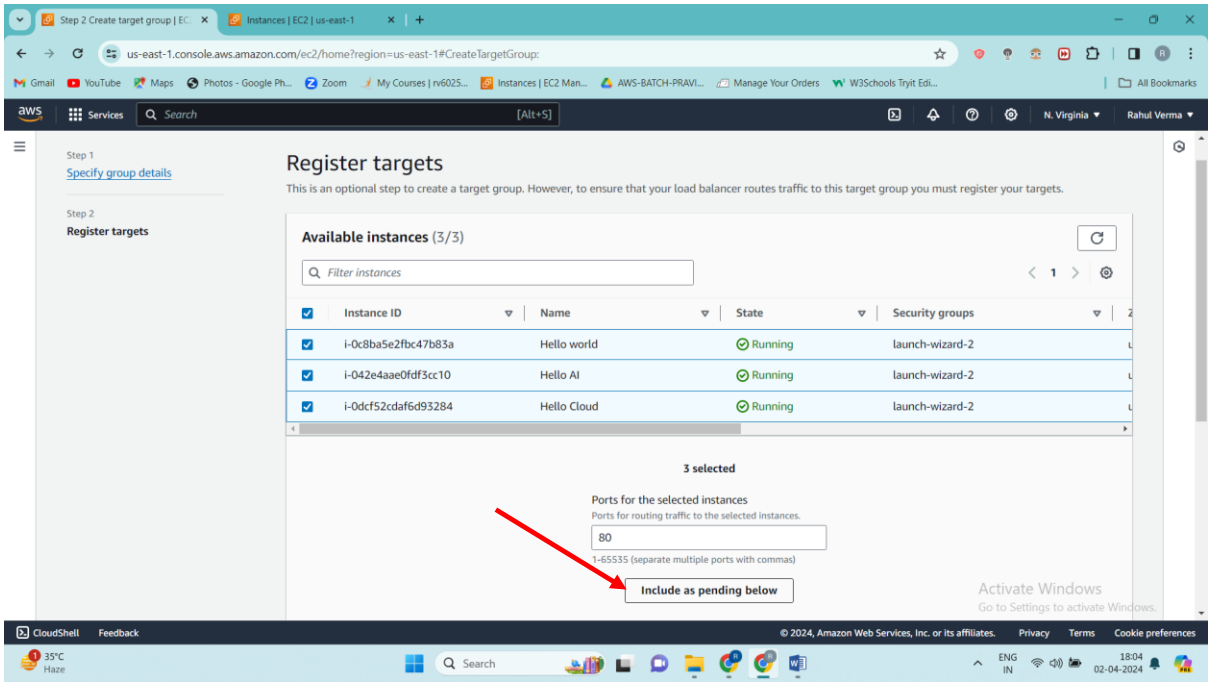
Select instances



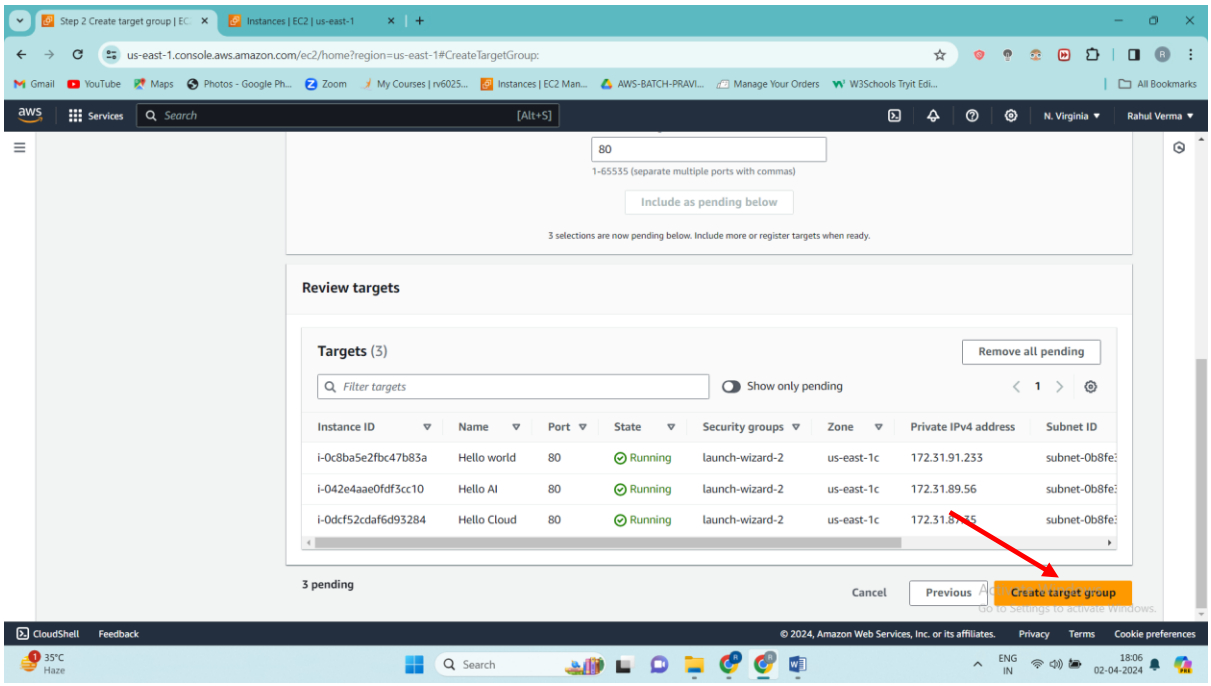
Define target group name- “Instances” rest default settings



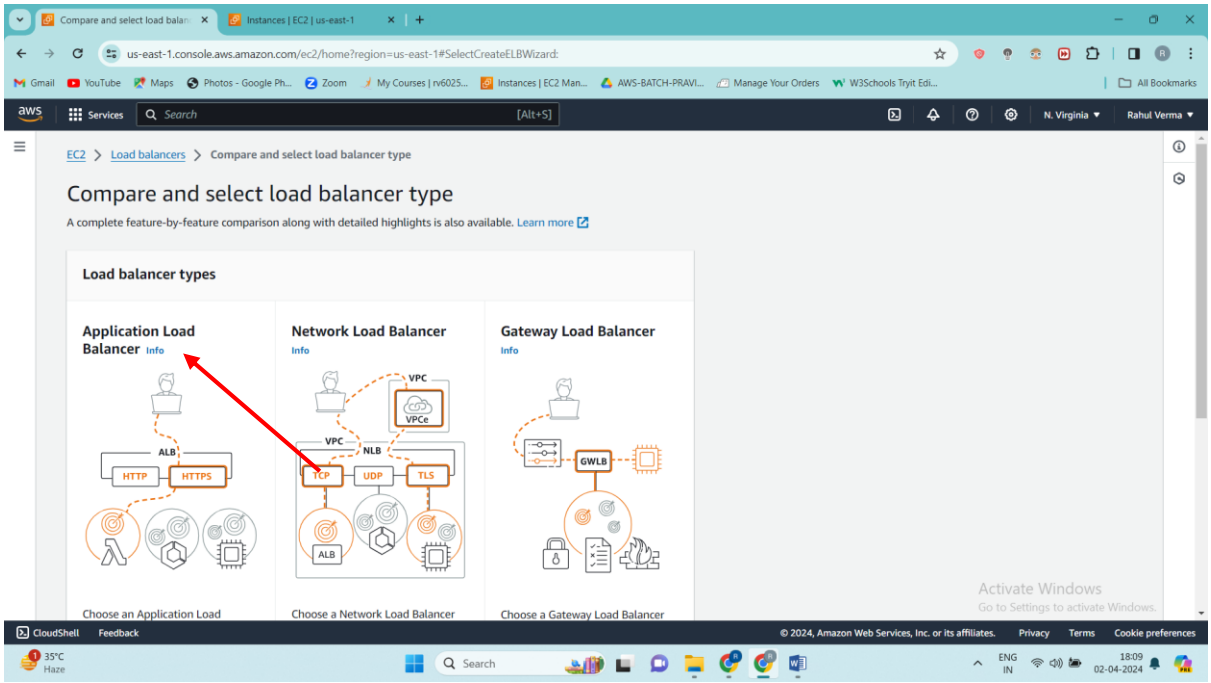
Step 2: Now select instances which you want to use for your load balancer. After selecting click on include as pending below.



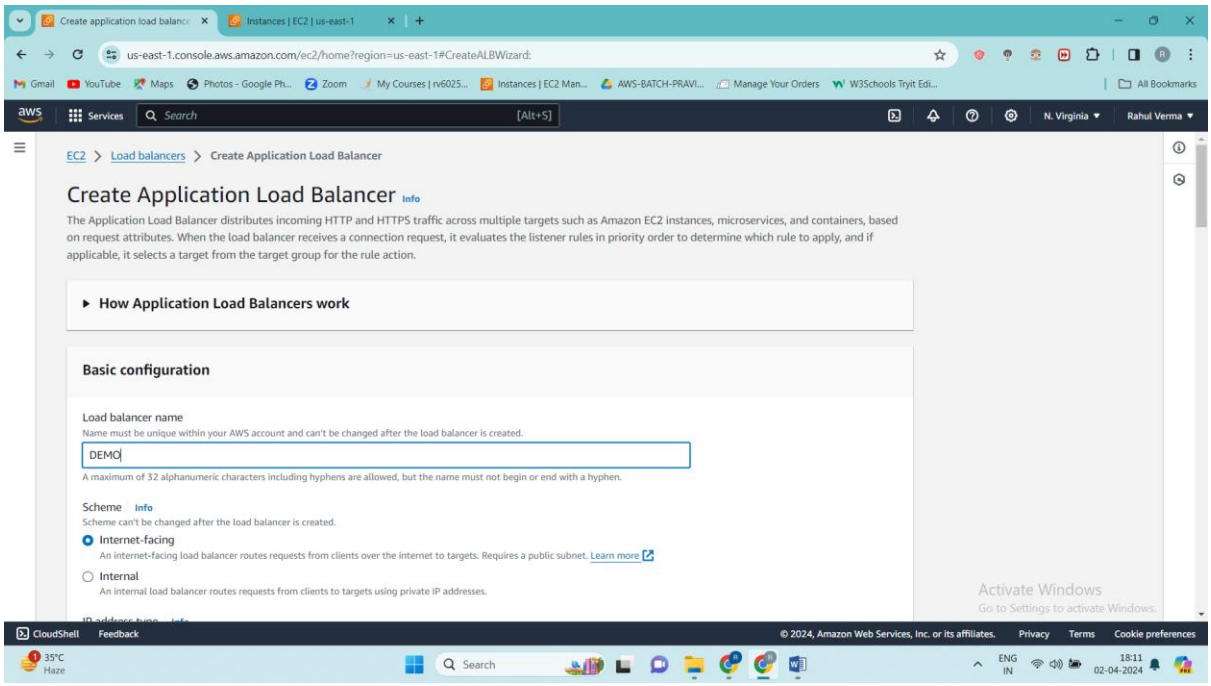
Now click on Create target group



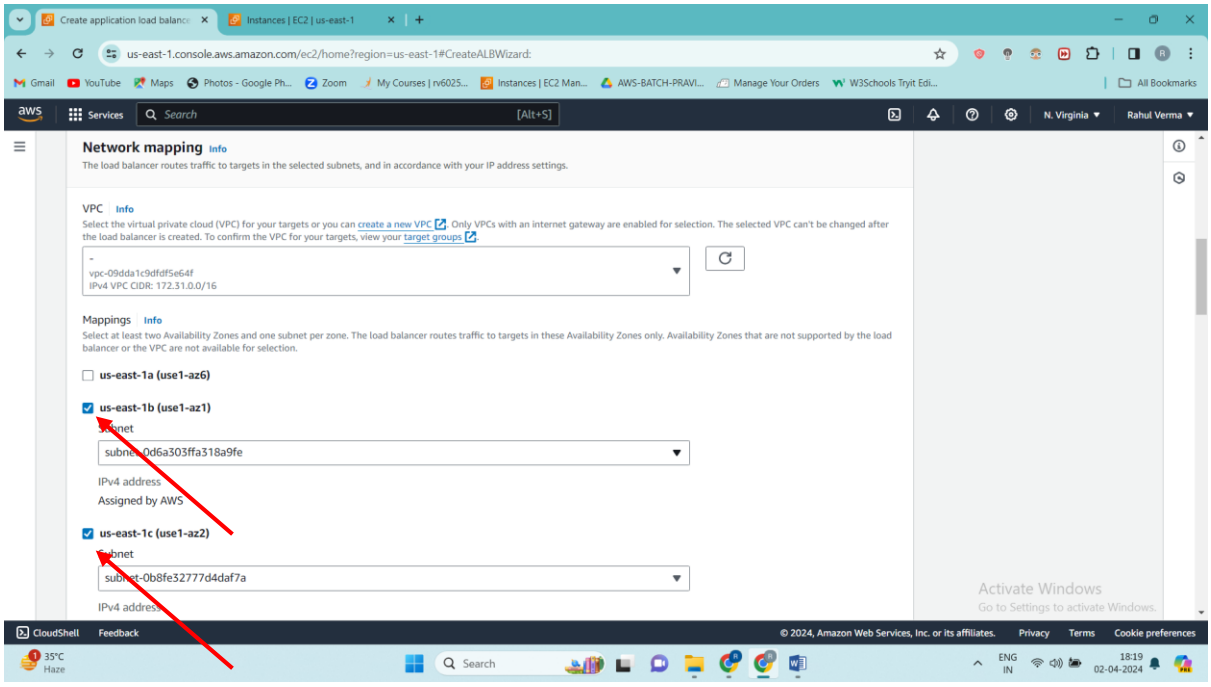
Step 3: Now let's create Application Load balancer



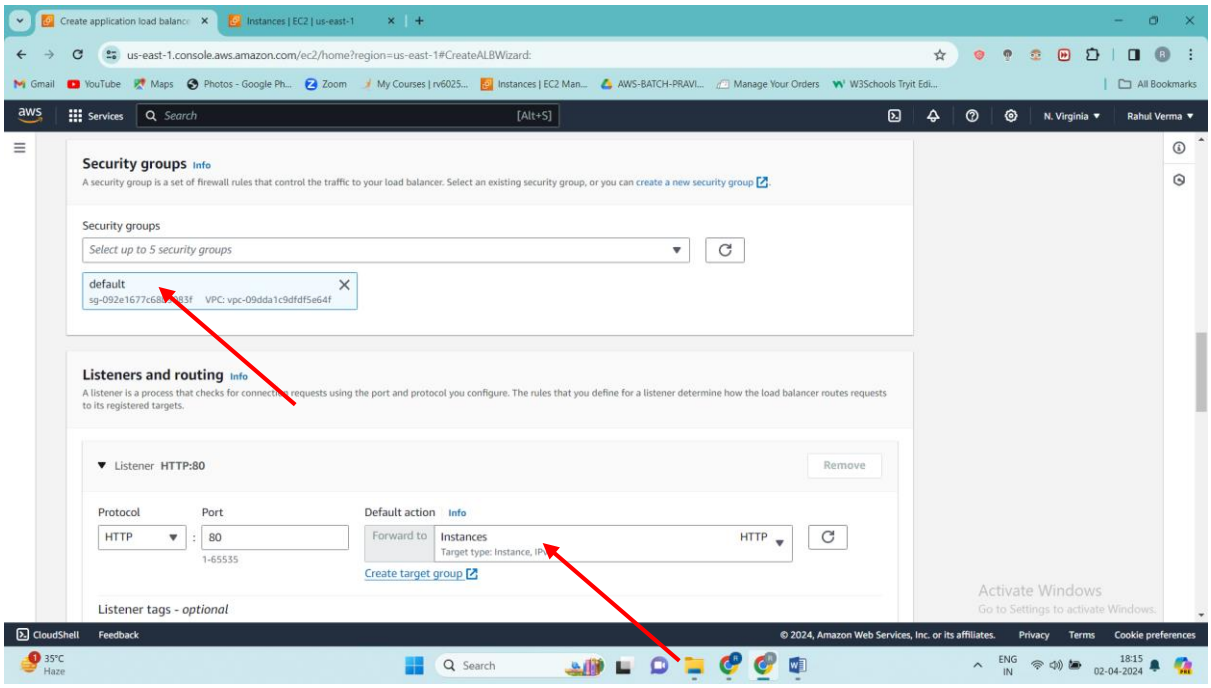
Now define it’s name- DEMO



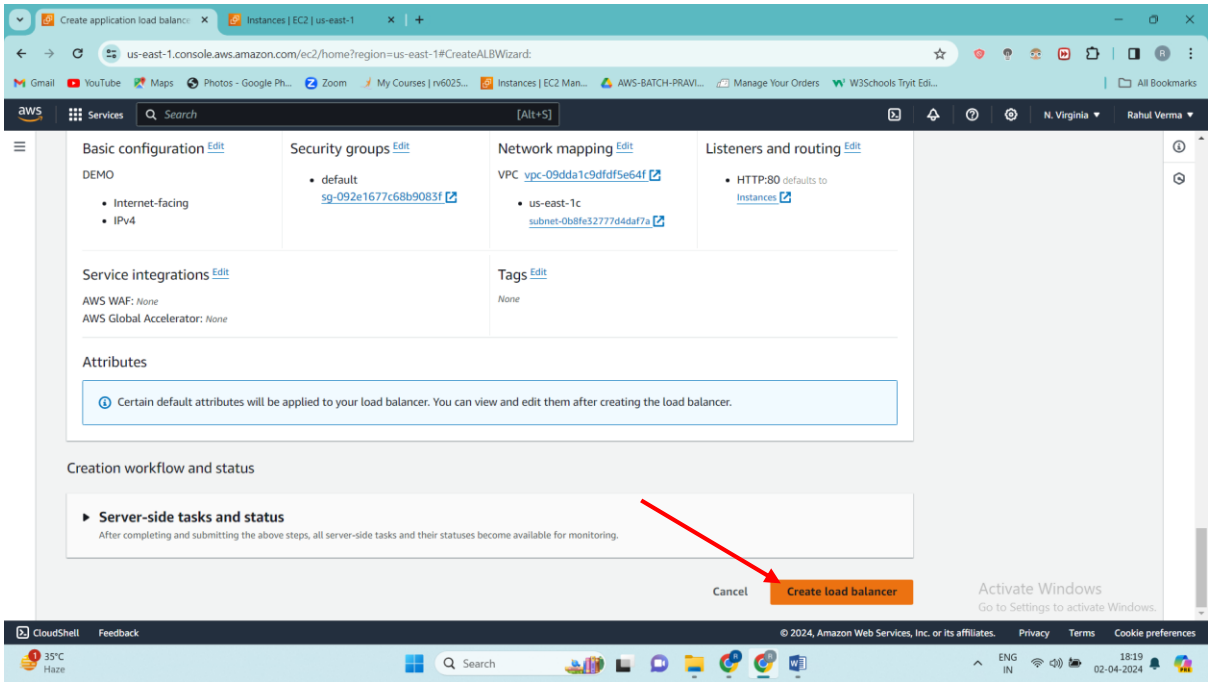
Select availability zone where your instances are running.



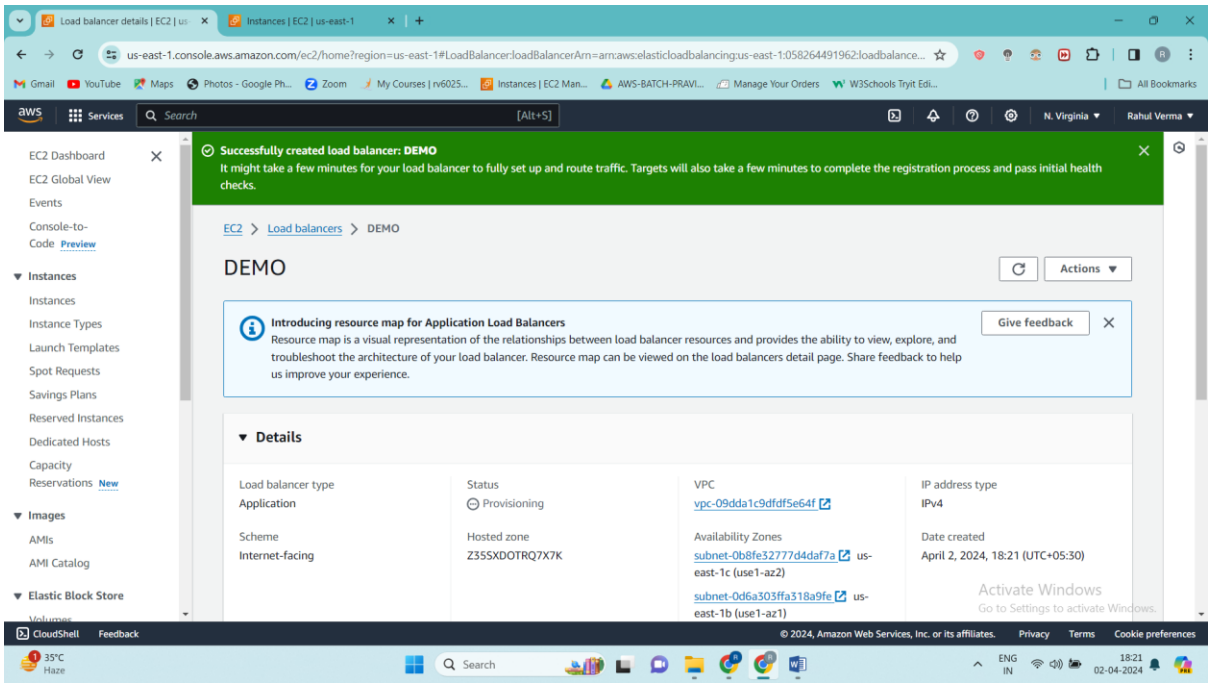
Step 4: Now select security group I'm going with default one and select Target group which you have created.



And now click on Create load balancer button

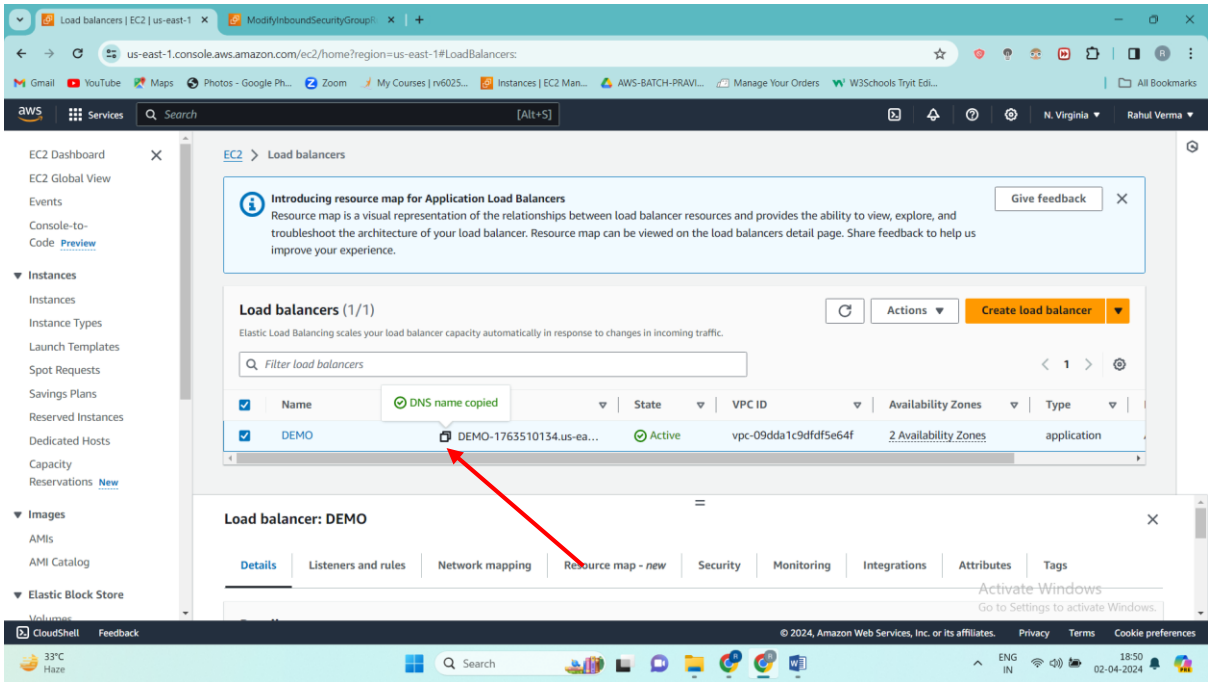


And it’s created now

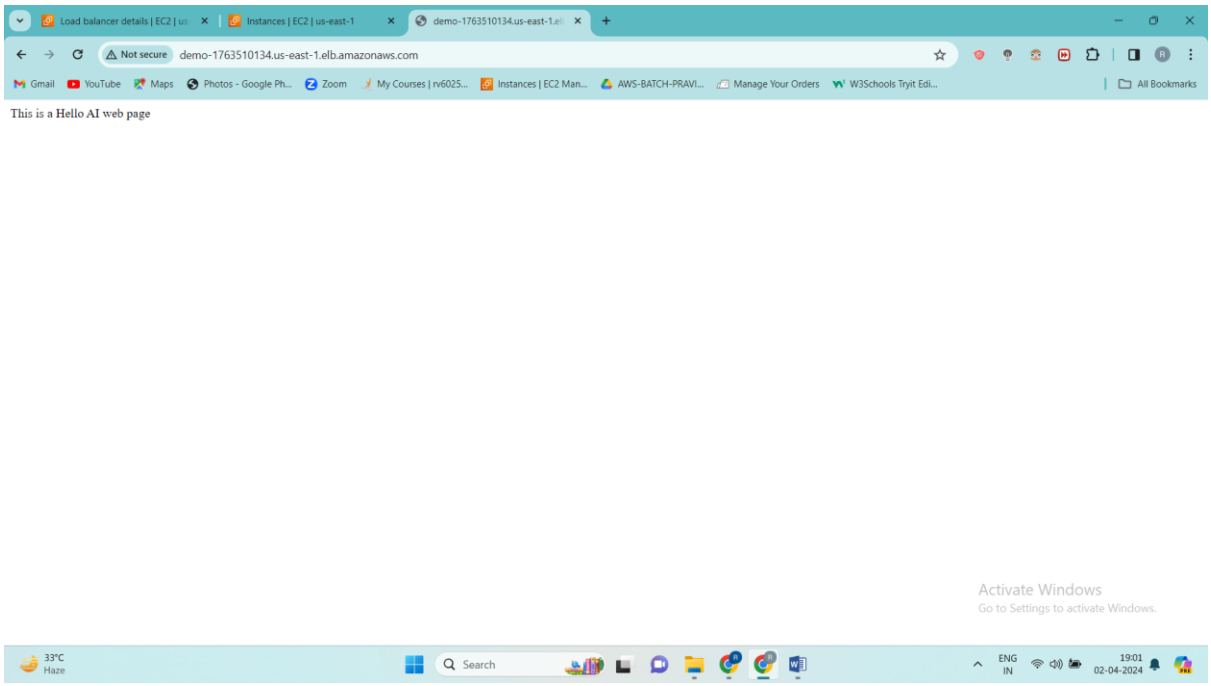


Step 5: And now let’s check if it’s working our not

Will copy it’s DNS name and paste it in browser.

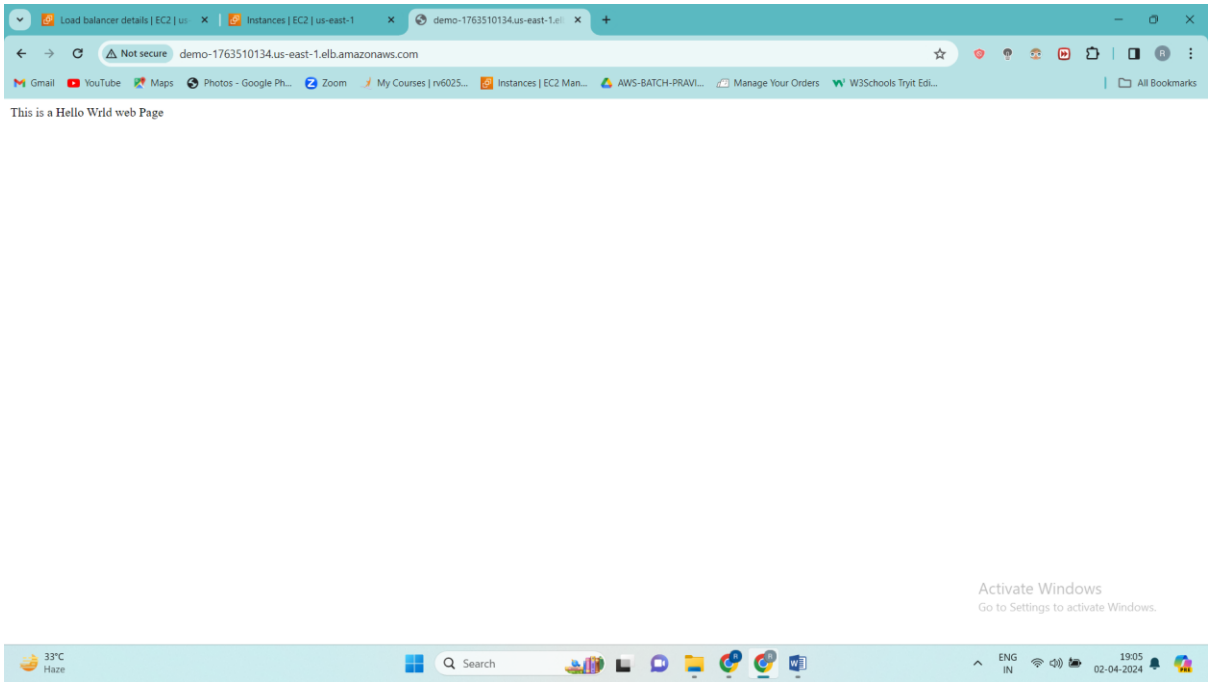


Now it’s showing “This is Hello AI web page”



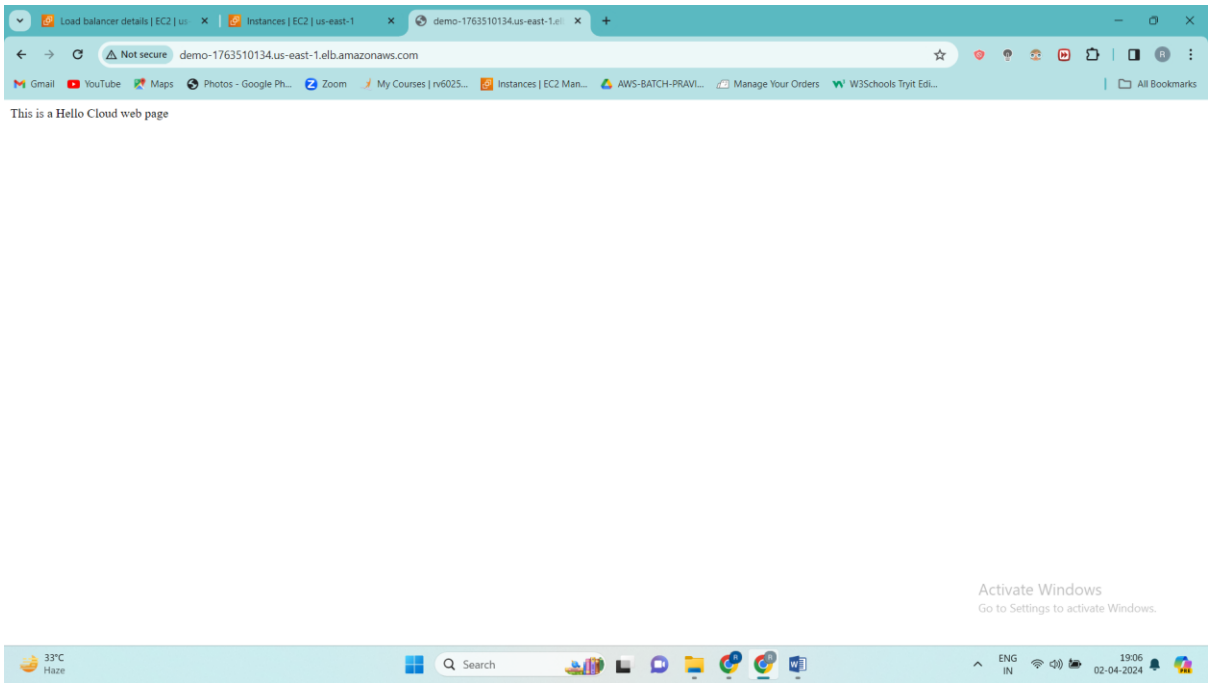
Let’s refresh it continuously

And it’s showing Hello world web page



Let’s check if it shows Hello cloud web page or not we just need to refresh it.

So it’s showing all the web pages we have installed in our instances.



So that means it’s distributing the traffic very seamlessly.

Note: after using these resources please delete them to avoid charges

Thank You