**AWS PROJECT- 1**

**DEPLOYING THREE TIER APPLICATION USING TERRAFORM**

**PREREQUISITES**

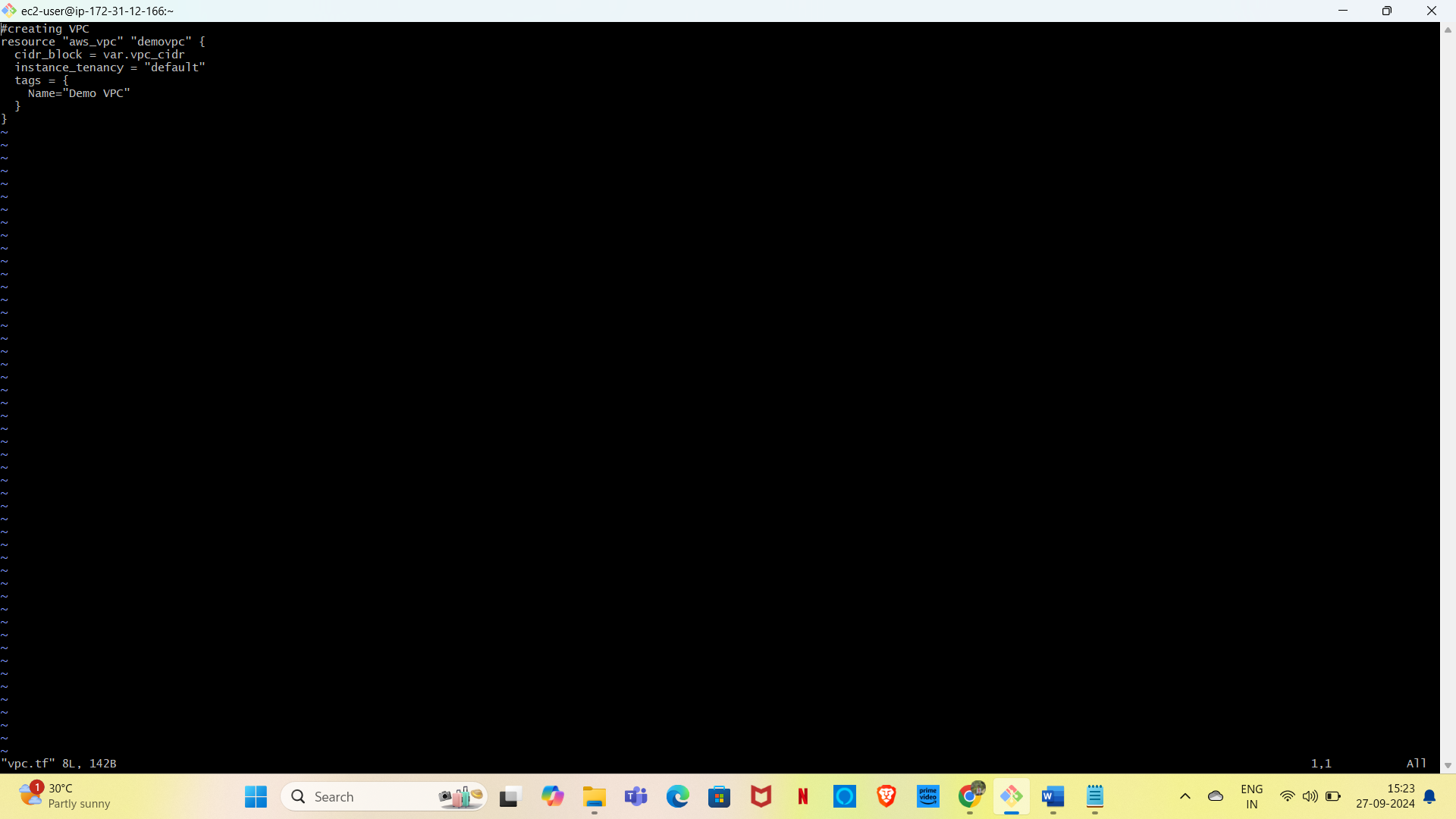
* Basic knowledge of aws & terraform
* Aws account
* Iam user
* Github account
* Aws access & secret key

**LIST OF STEPS IN THE PIPELINE**

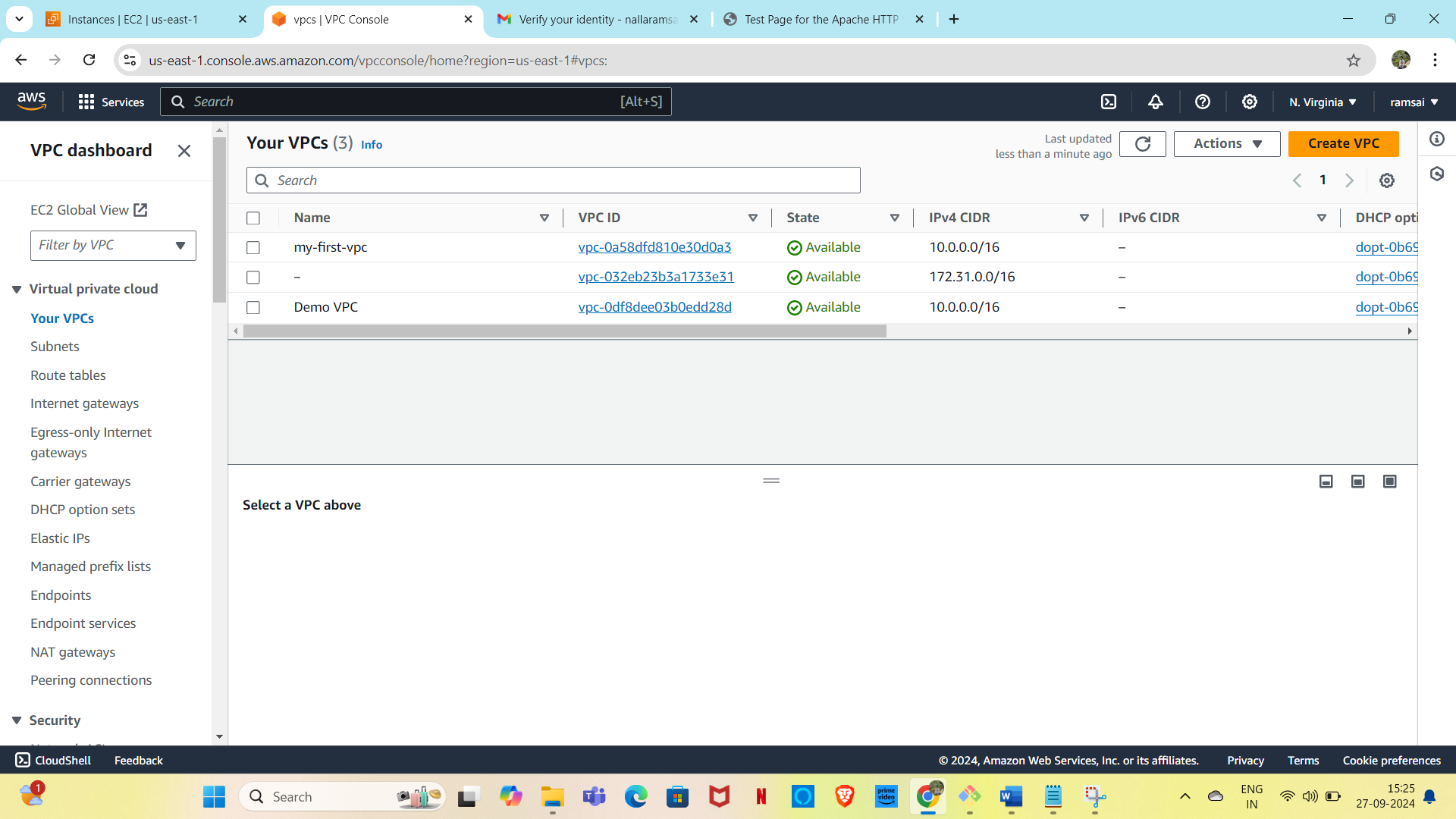
* + create a file for the vpc
  + Create a file for the subnet
  + Create a file for the internet gateway
  + Create a file for the route table
  + Create a file for the ec2 instances
  + Create a file for the SG for the front end tier
  + Create a file for the application load balancer
  + Create a file for the RDS instance
  + Create a file for outputs
  + Create a file for the variable
  + Create a file for the user data
  + Verify the resources

In this project we will use some variables also that we will discuss here

**Step1: create a file for the vpc**

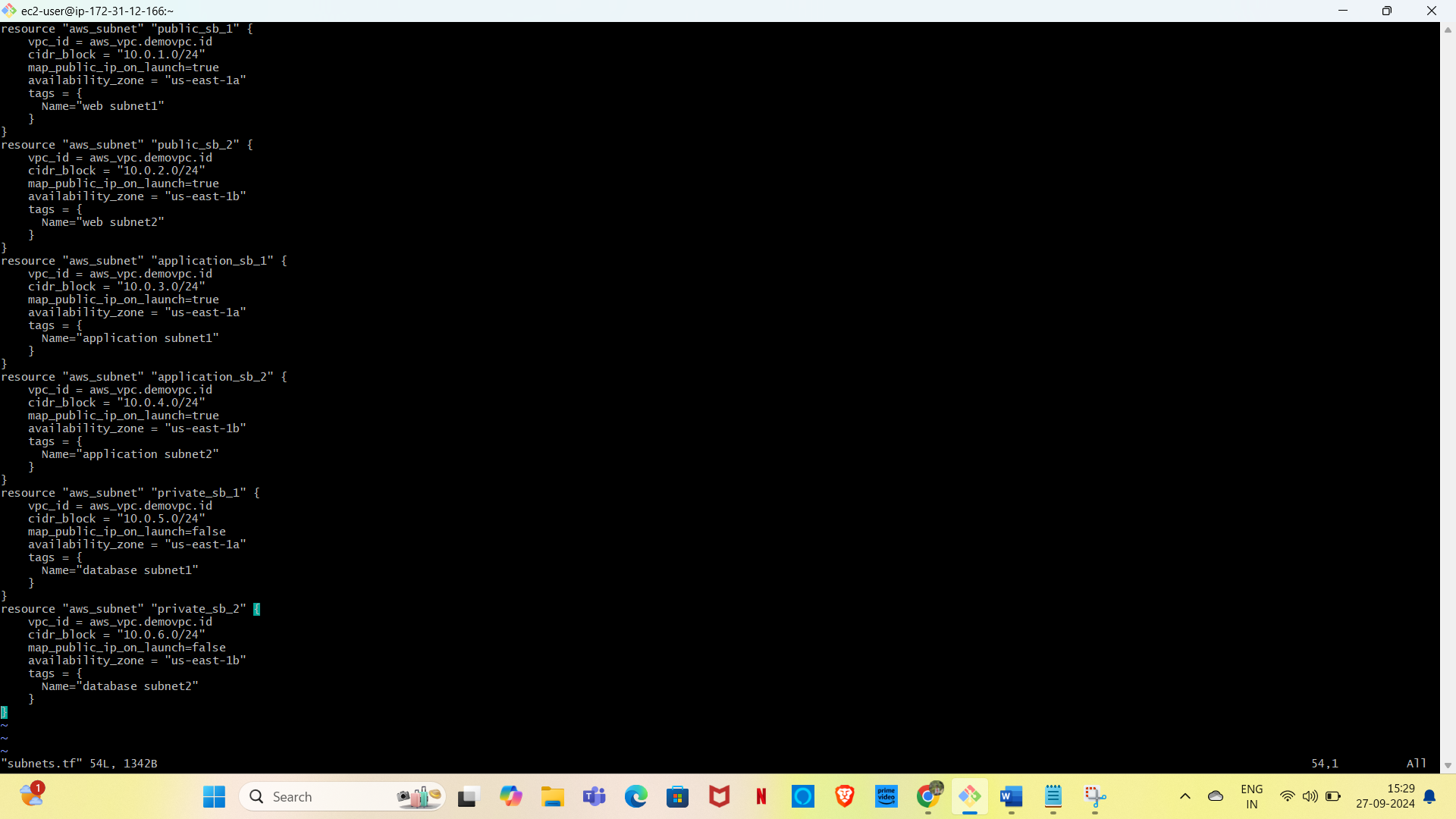


* We can get the vpc and vpc is given below.

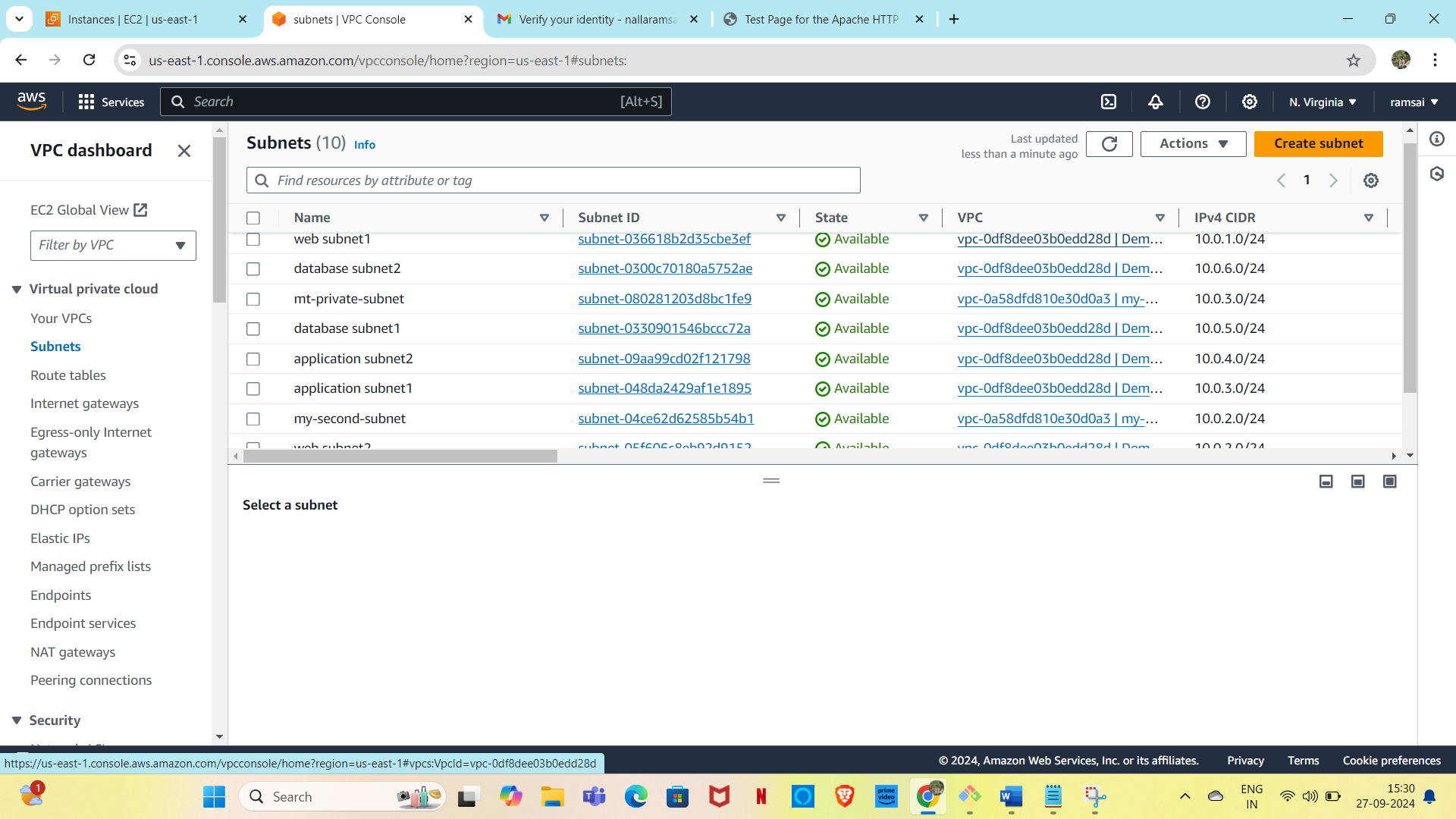


**STEP2**

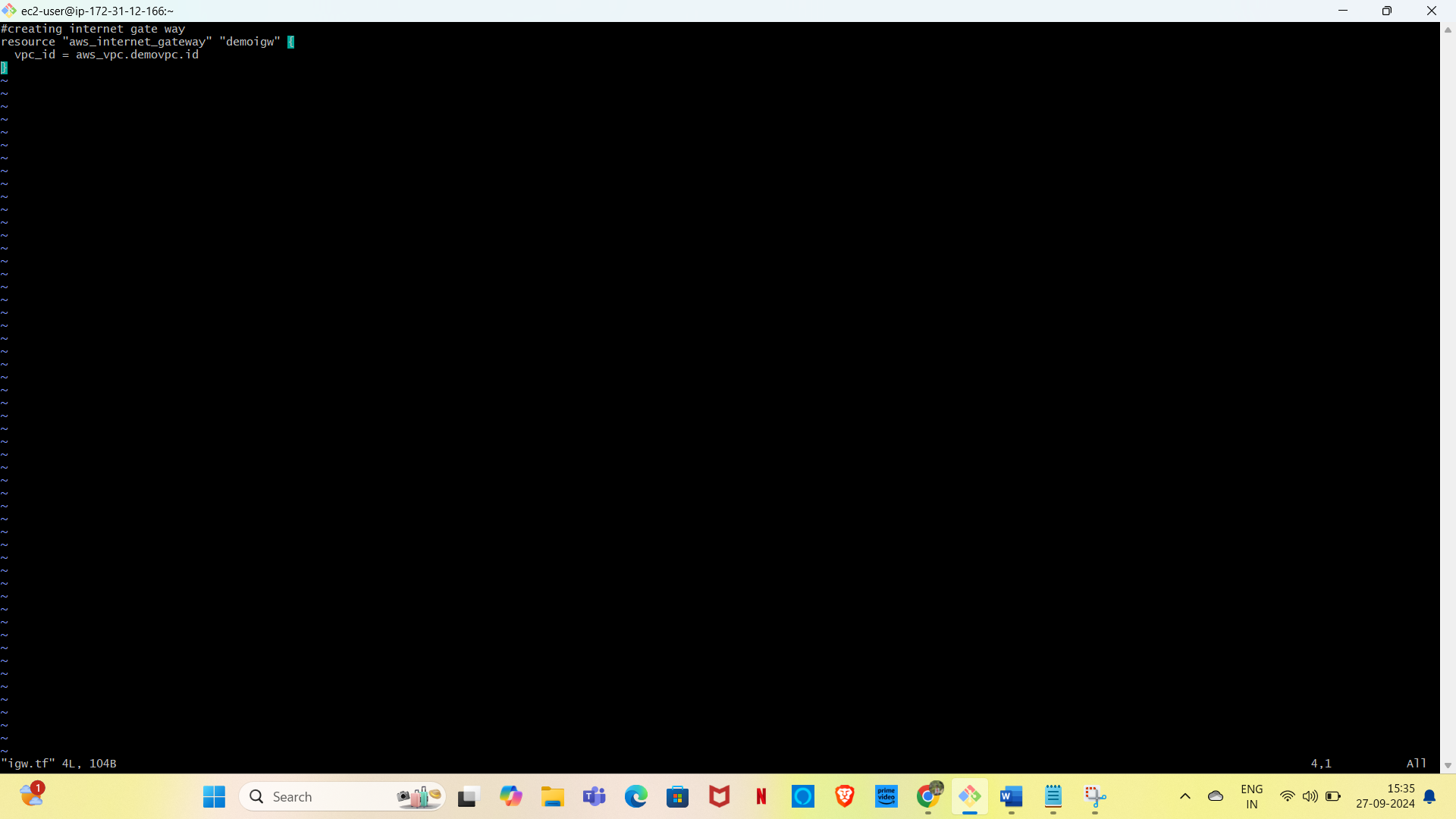
* For this project, we will create total 6 subnets 4-public 2-private.



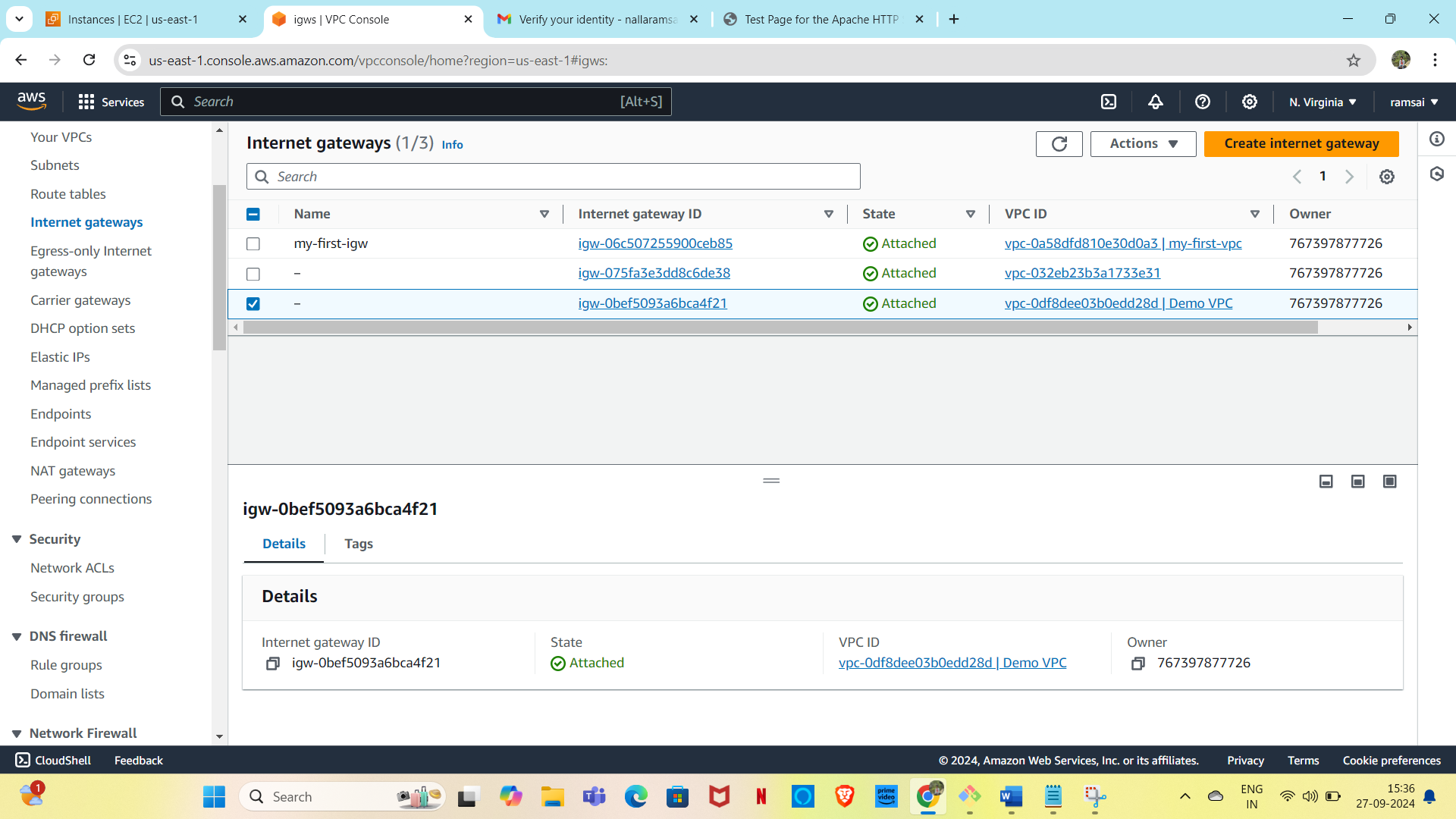
* The console will create the subnets with name demo subnets

. 

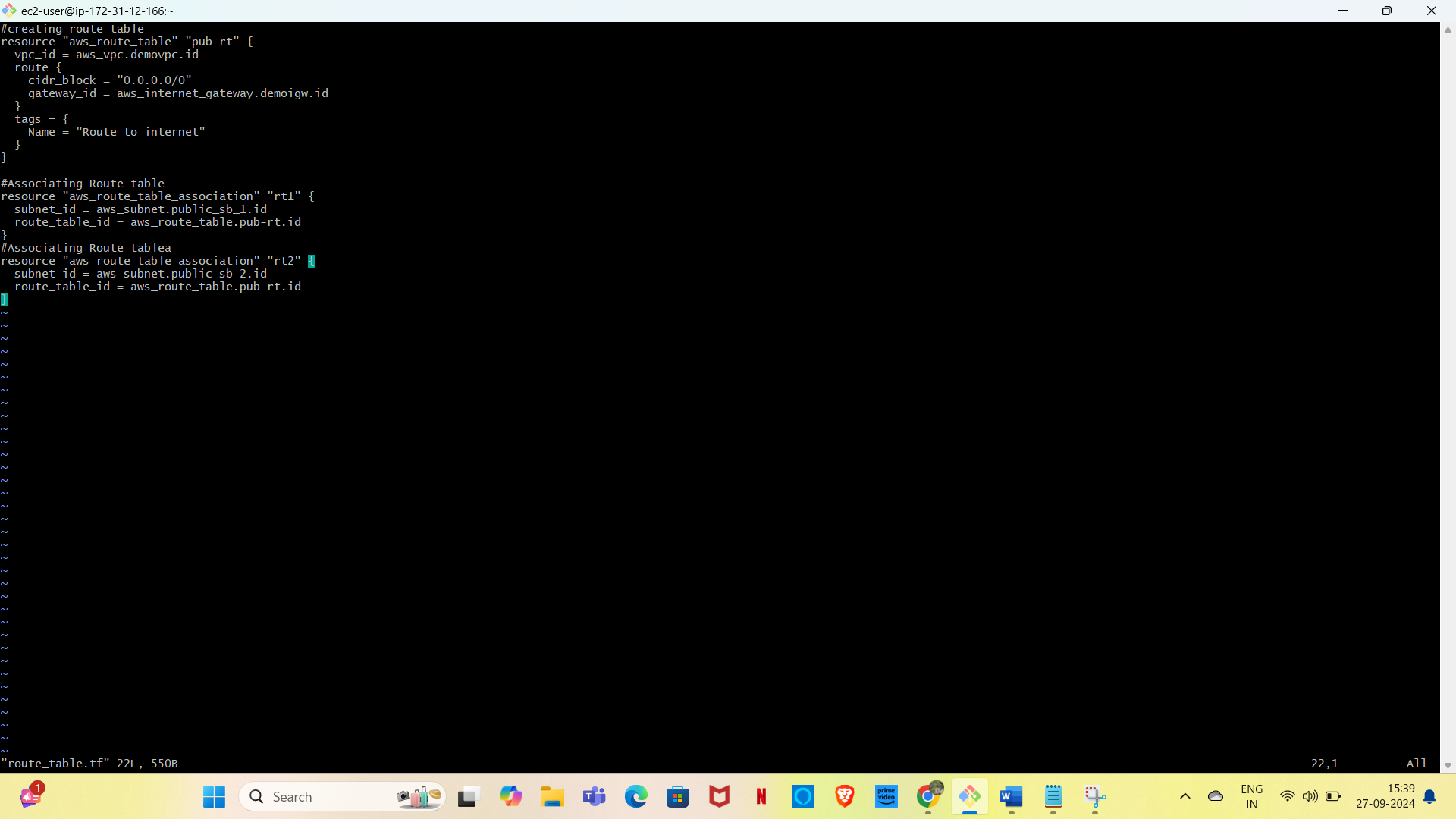
Step-3: **Creating as file for the internet gateway**



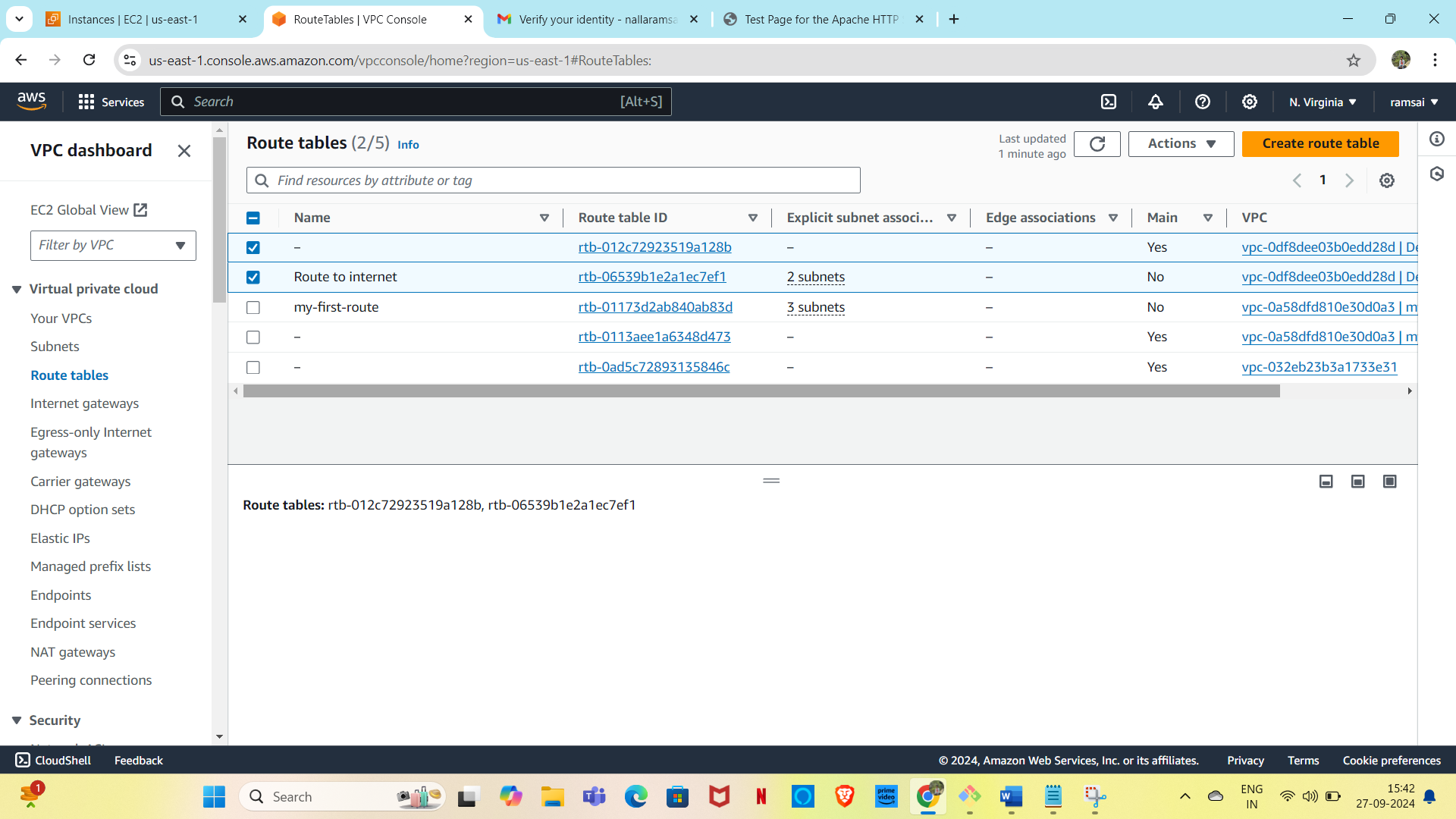
* In console it will create new internet gateway as demoVPC.



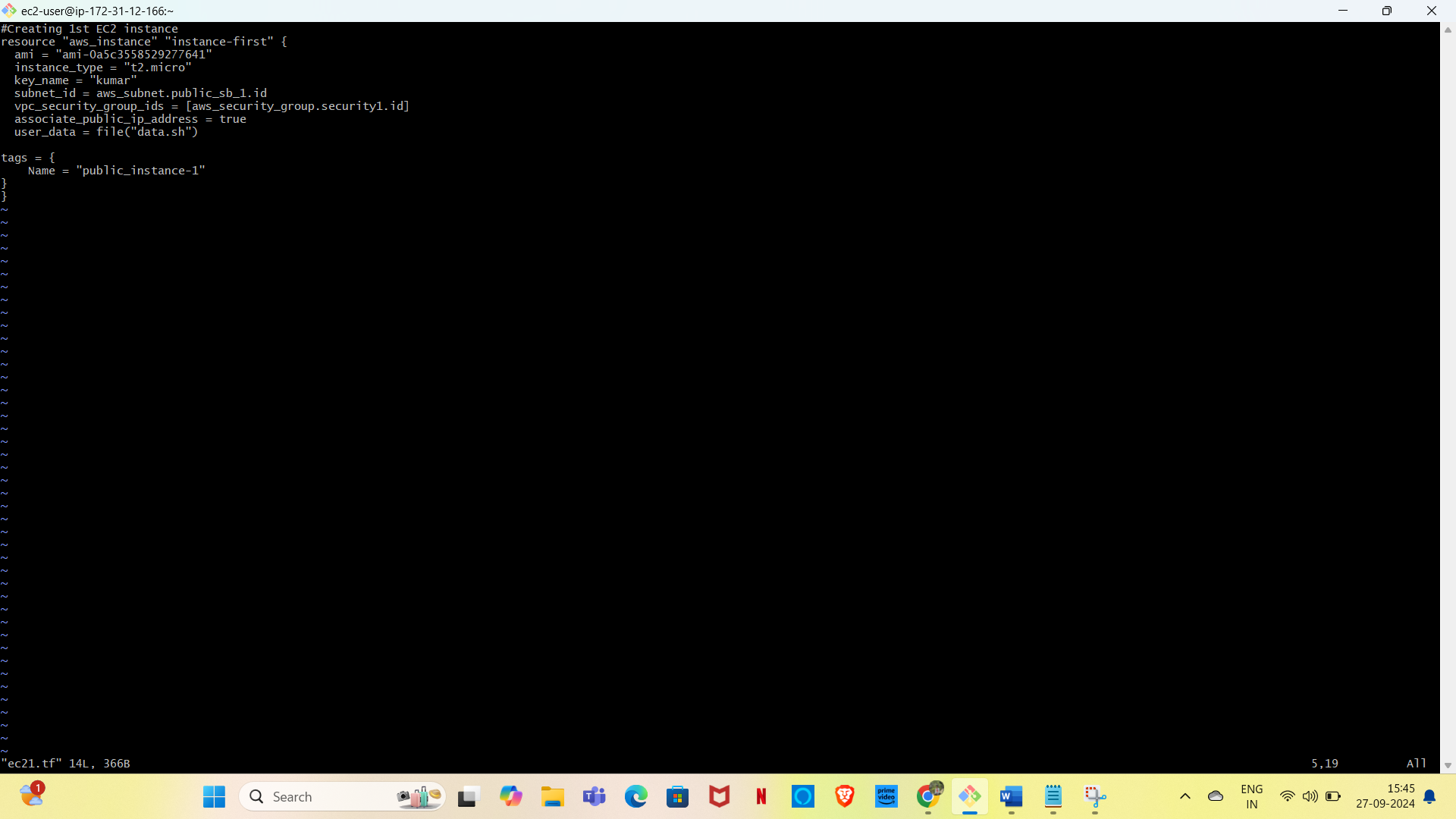
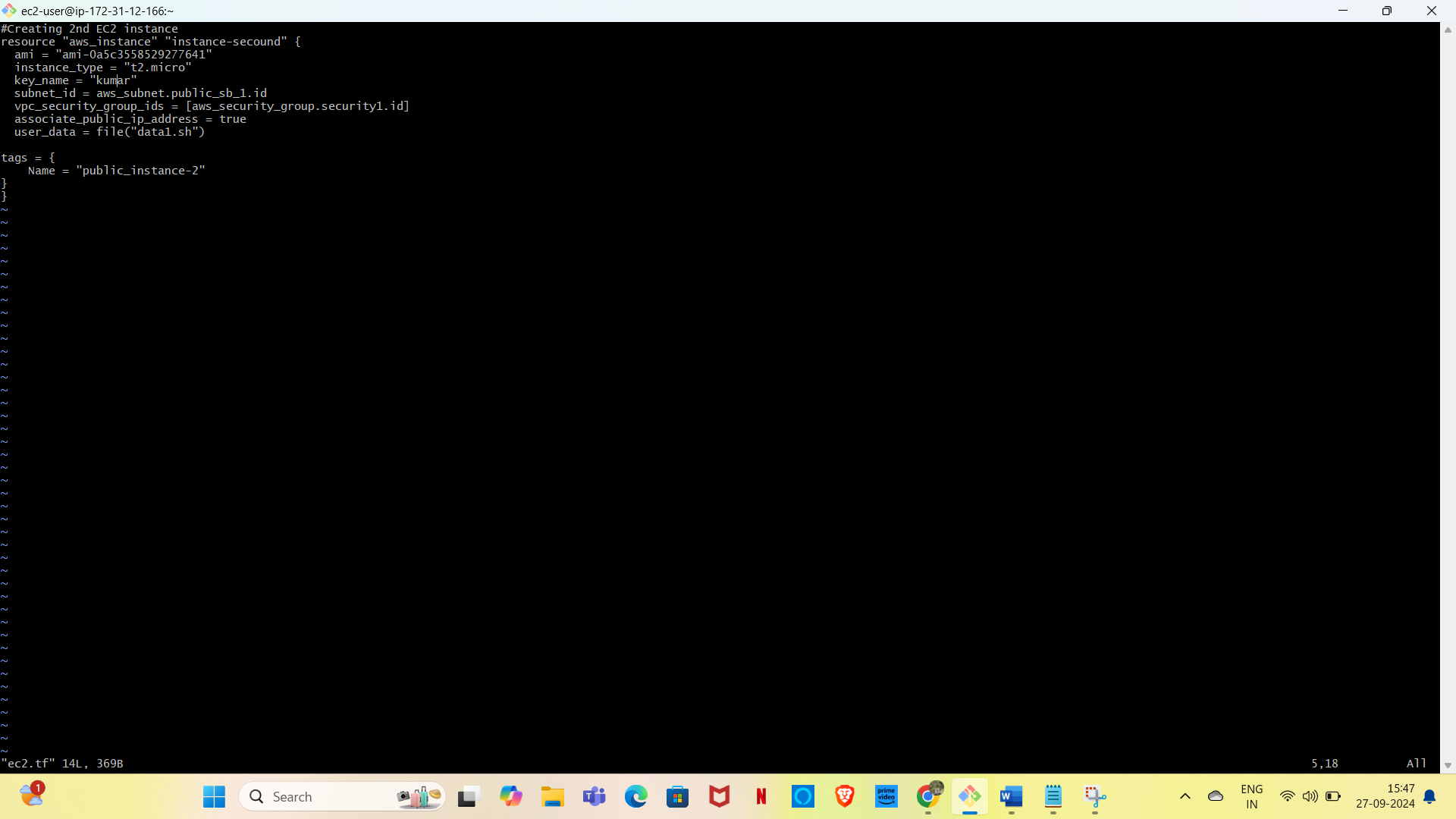
Step-4: **Creating a file for the route table**

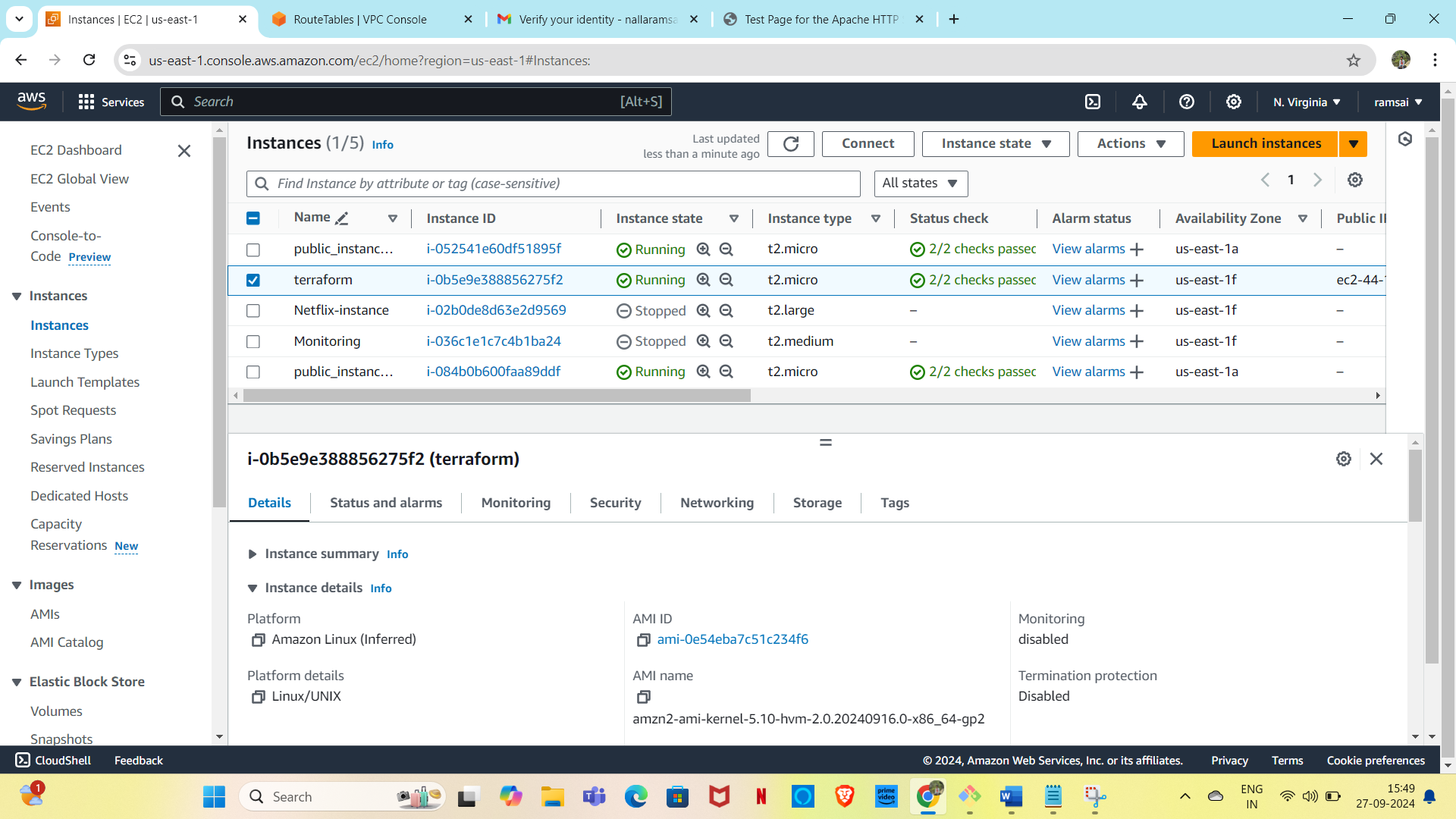


* Some route tables are been created in the below.

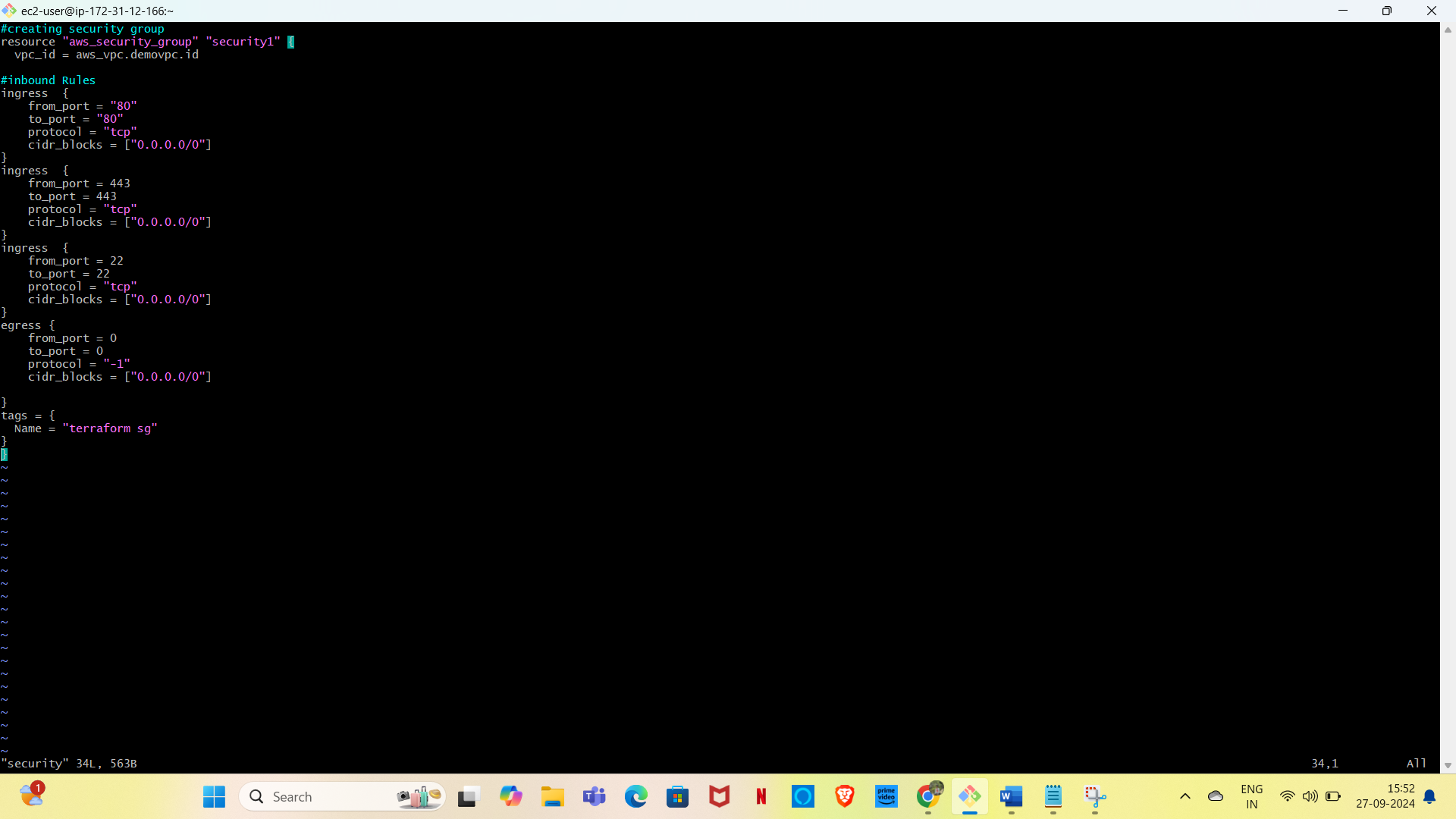


Step-5: **Creating a file ec2 instances**

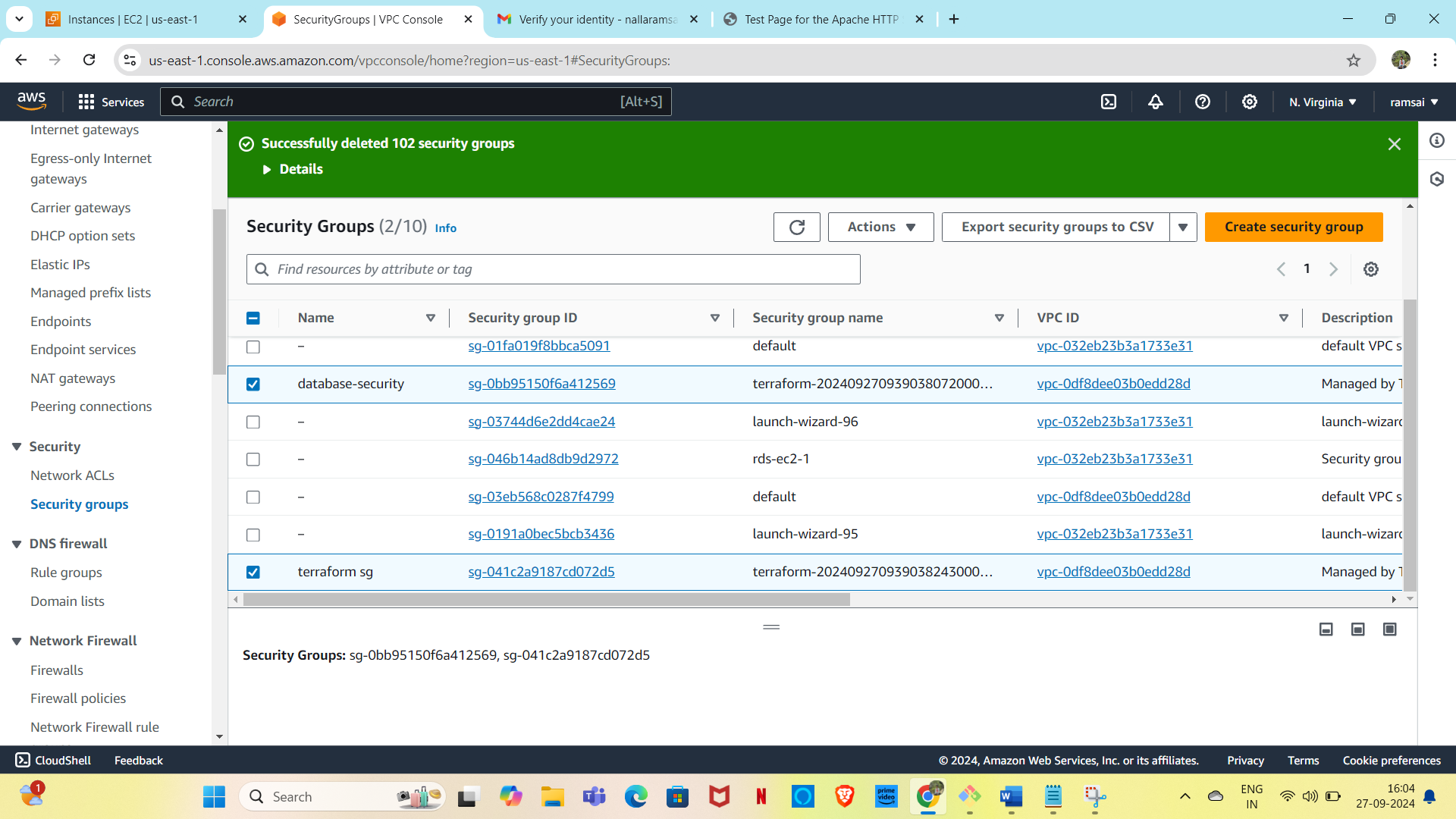
* **The above figure represents about the 1st instance.**
* 
* The second picture represents about the 2nd instance.
* The two instance are named as public instance, which are represented in the below figure.



Step-6: **Create a file for the security groups for the front end**



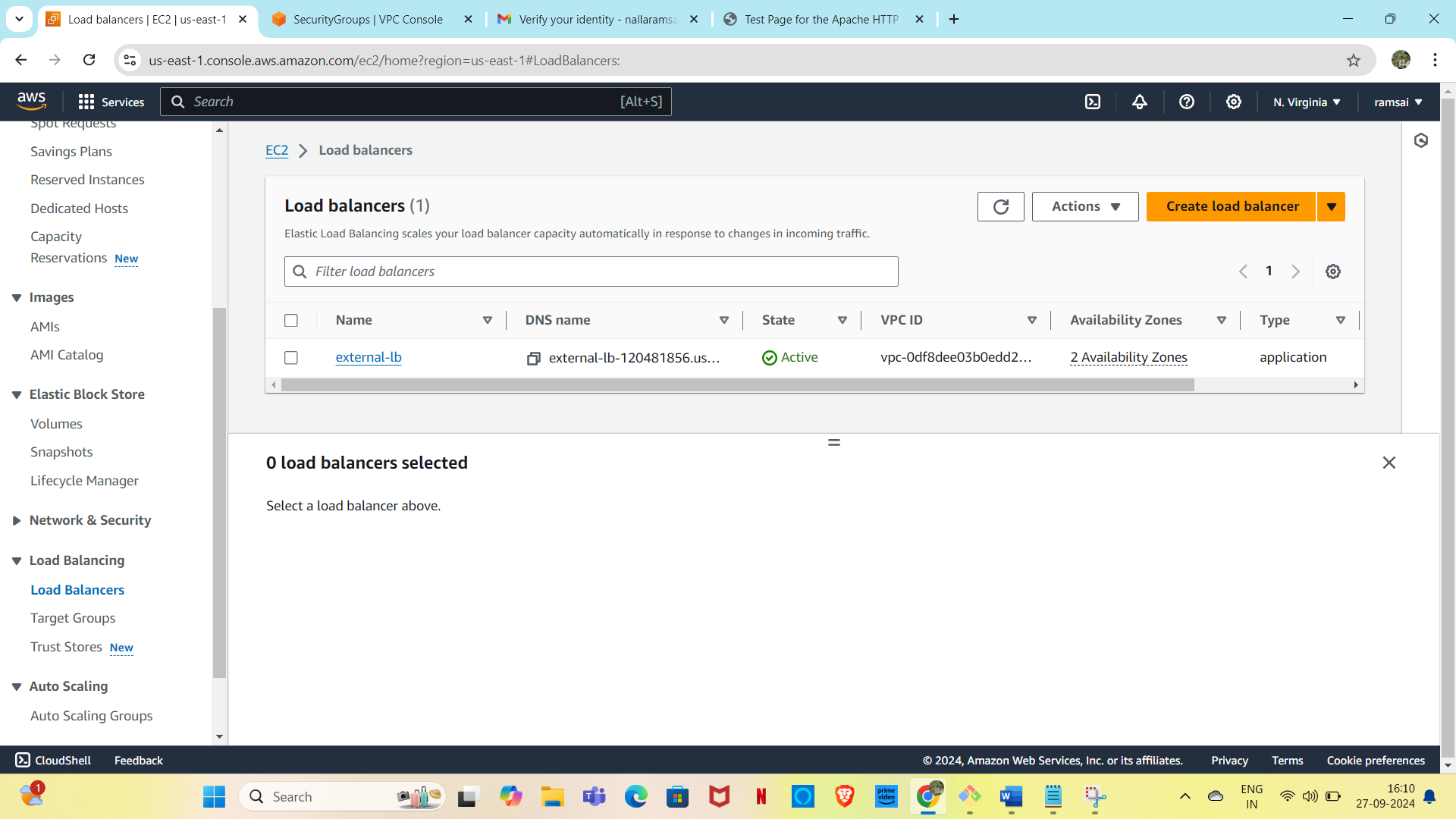
* Two security groups are created with names database security and terraform sg.



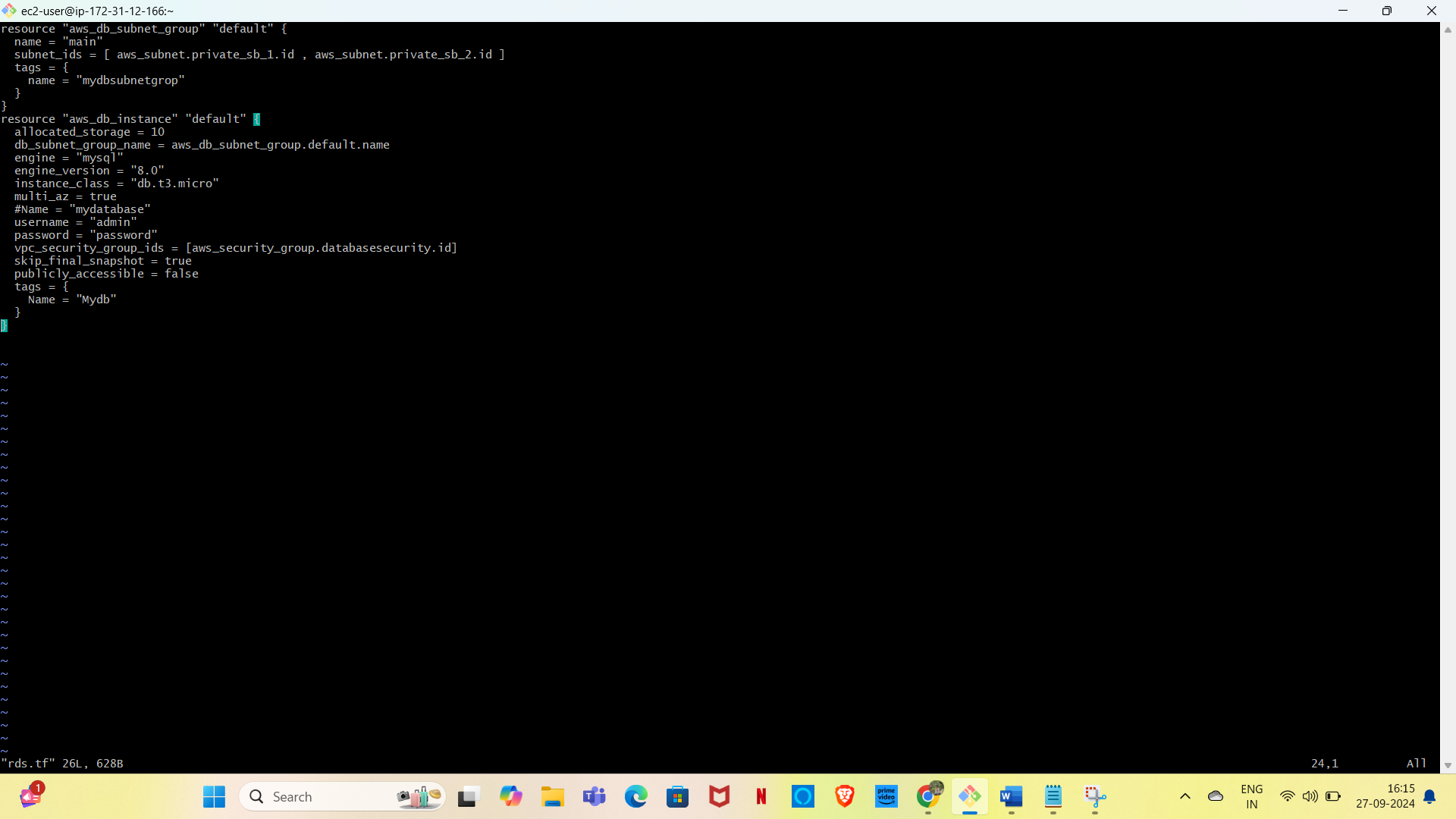
Step-7: **Create a application for load balancer**



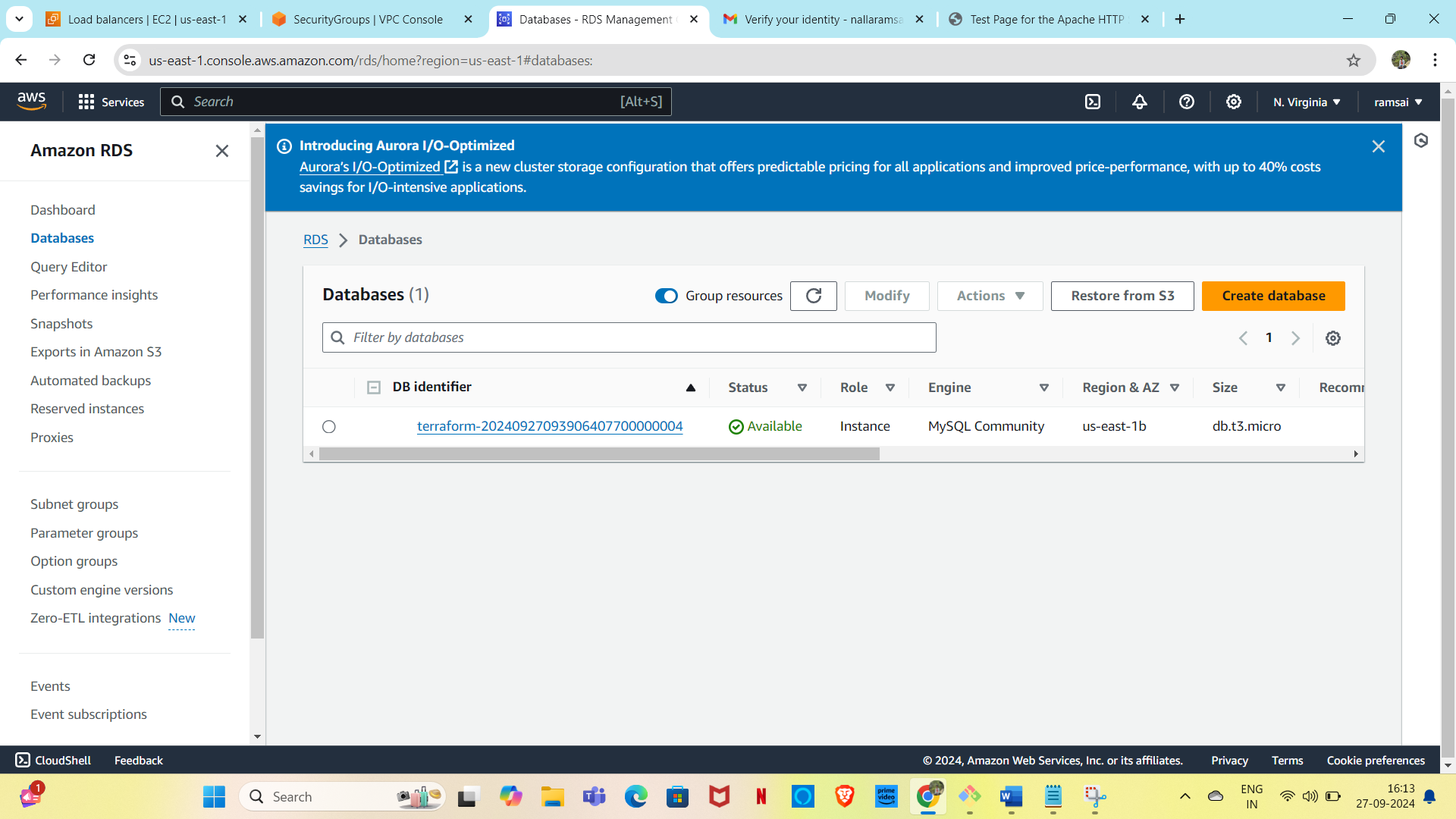
* **One loadbalancer will be created in the below picture.**

****

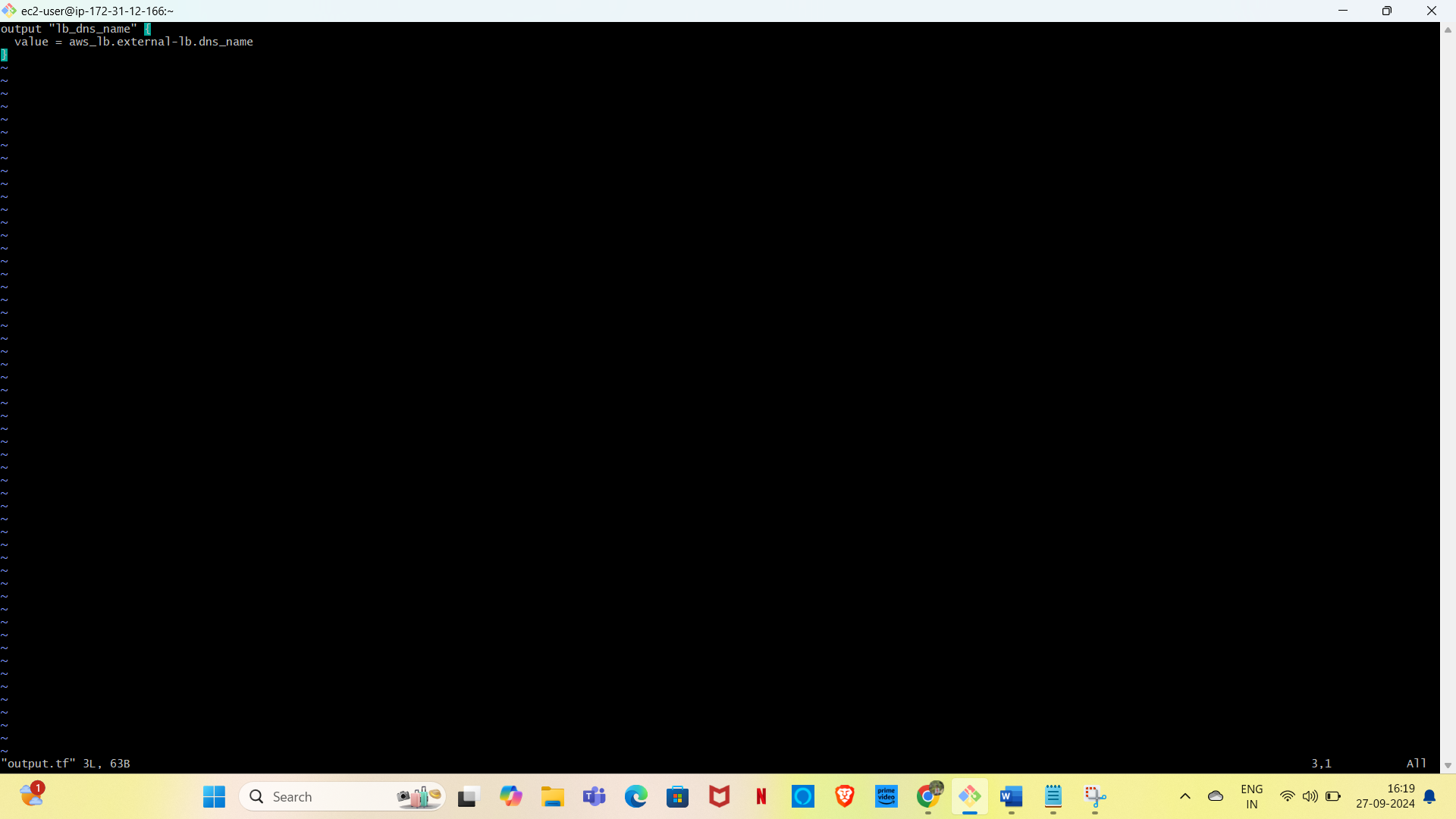
**Step-8: Create a file for the RDS instance**

****

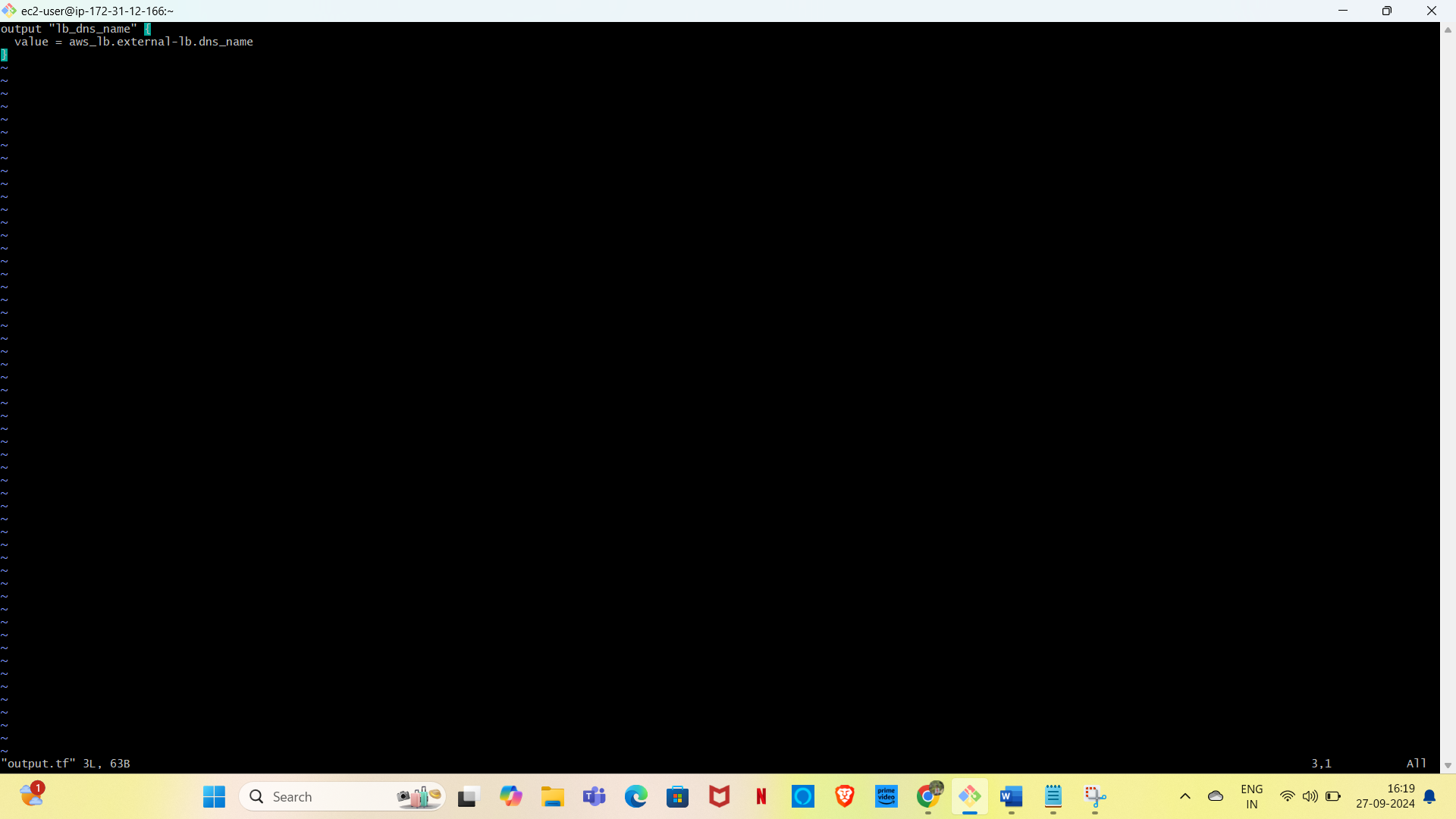
* **One database will be created in the below picture.**



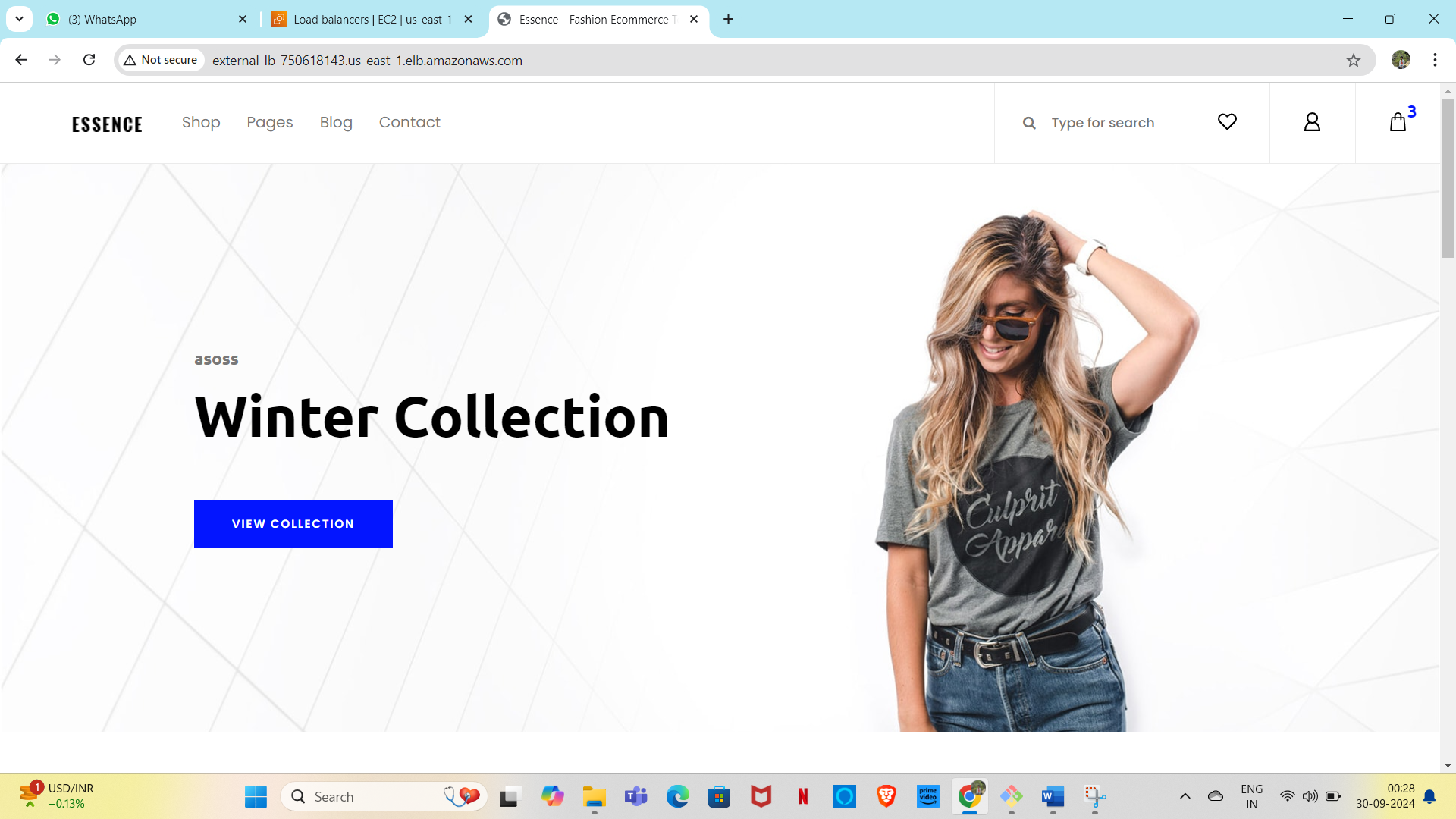
**Step-8: Create a file for outputs**

****

**step-9:Creating a file for variable**

* ****
* **When we host the load balancers dns then we can host two websites.**

****

* ****