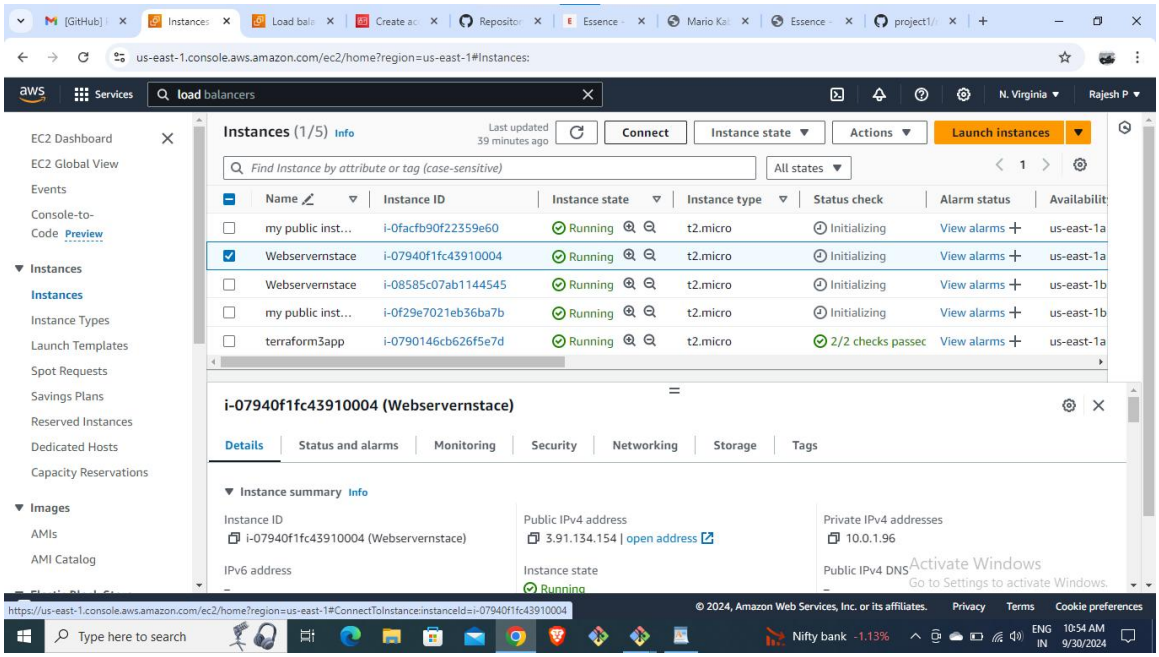
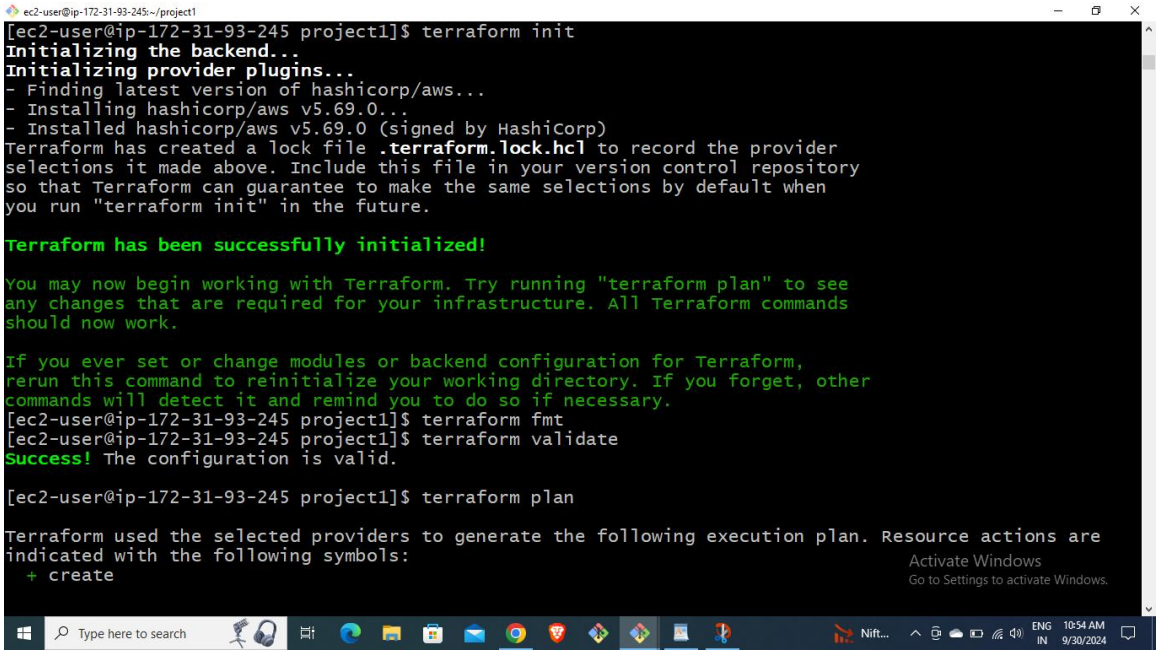
MAJOR PROJECT-1

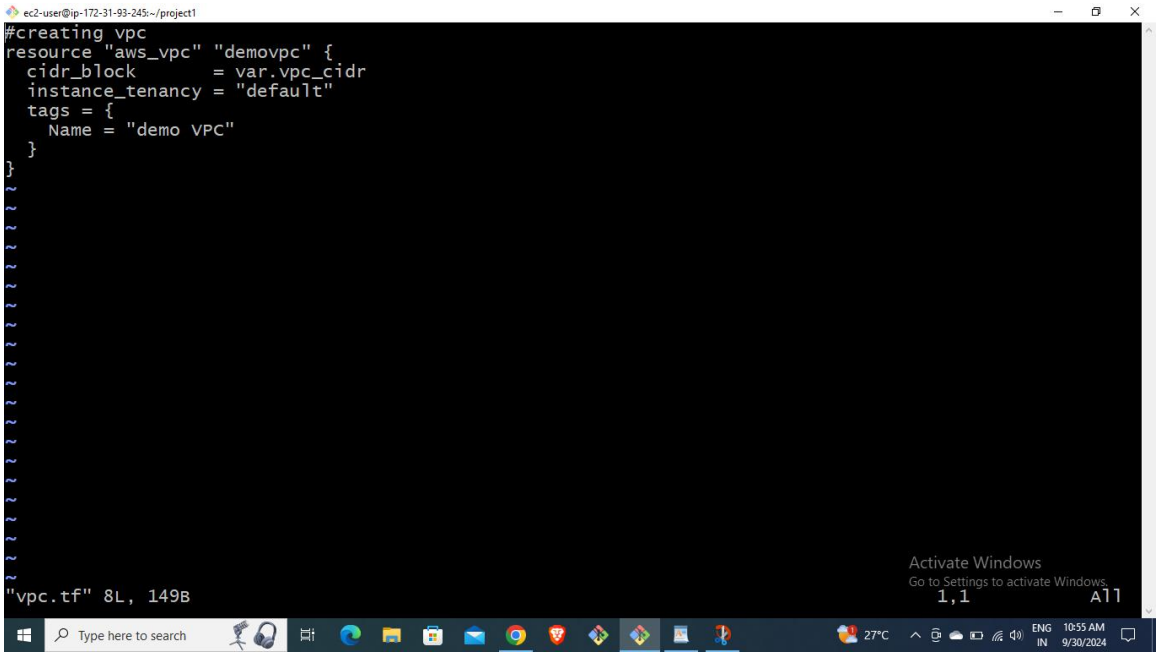
CREATION OF THREE TIER APPLICATION USING TERRAFORM

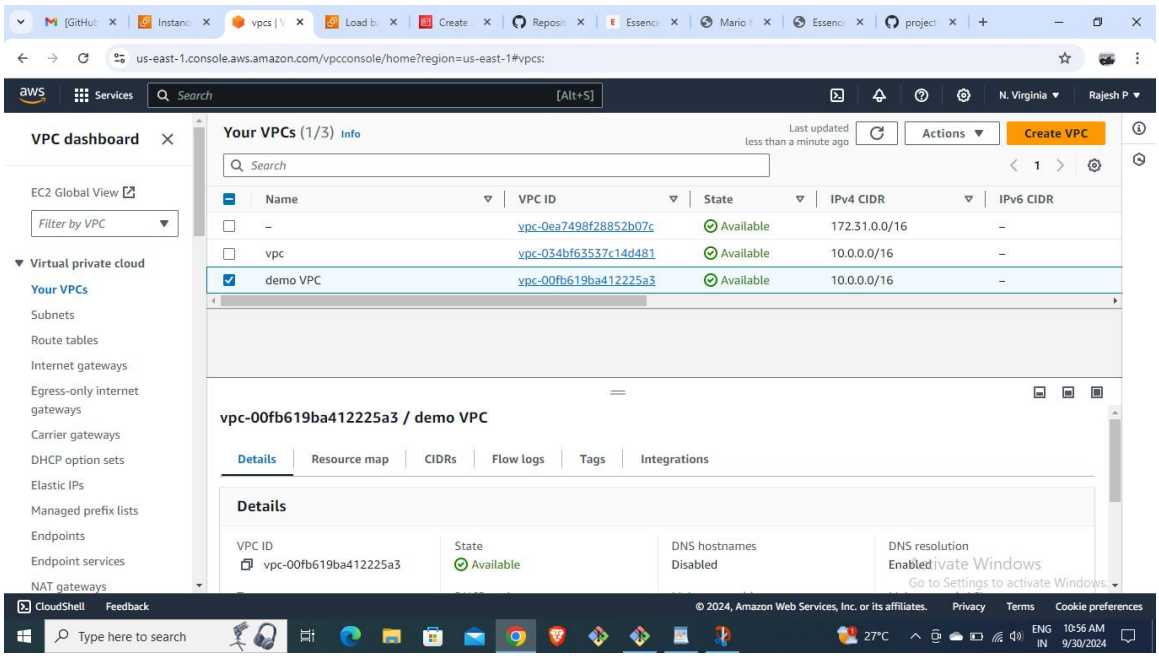
CREATE AN INSTANCE AND INSTALL TERRAFORM



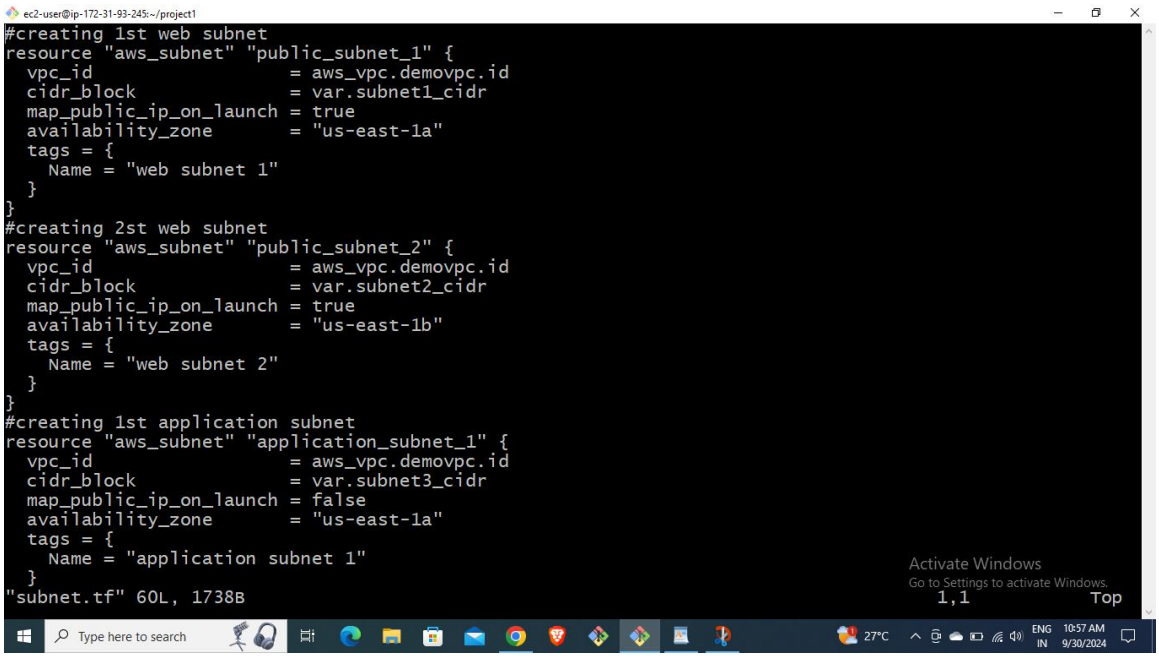


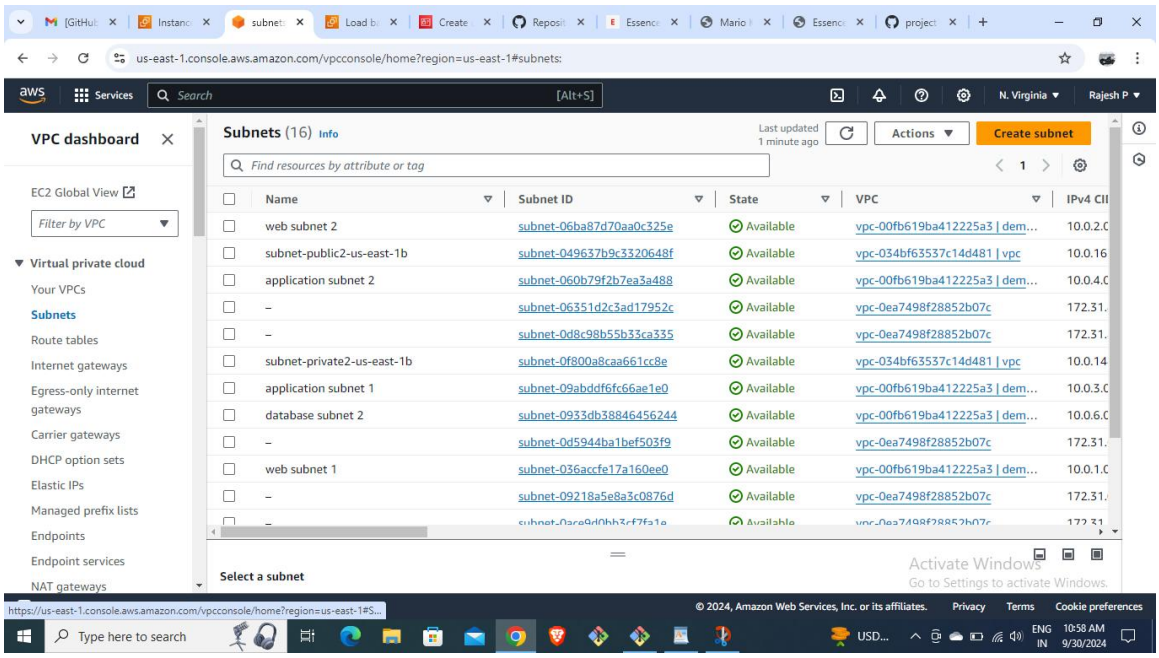
STEP1: VPC CREATION



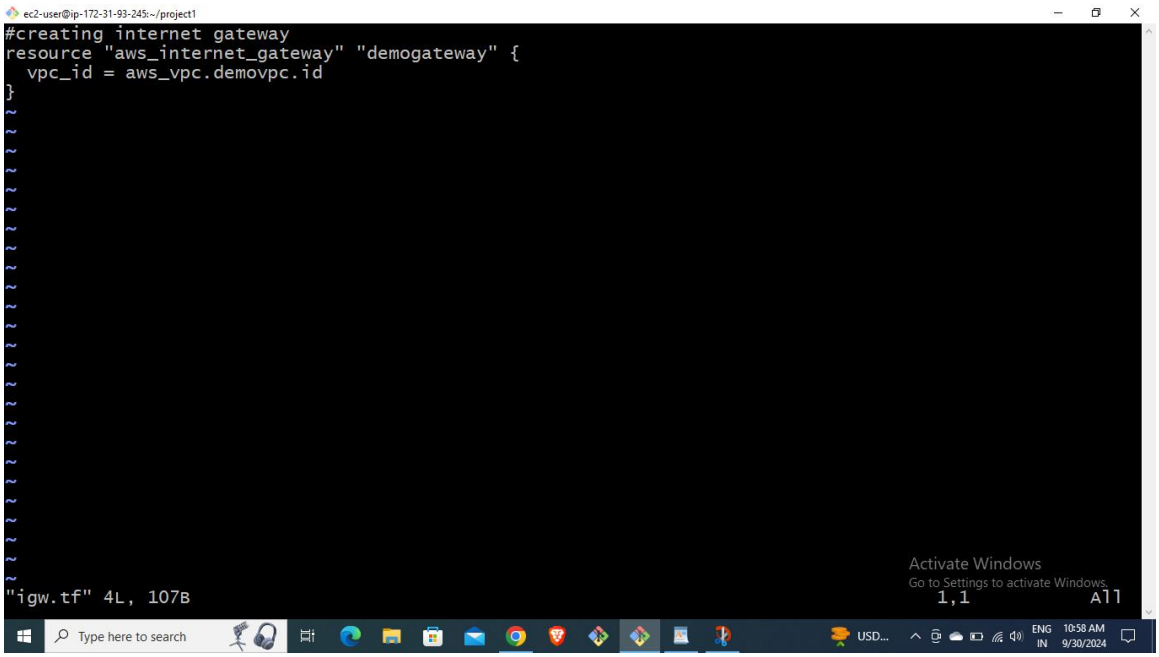


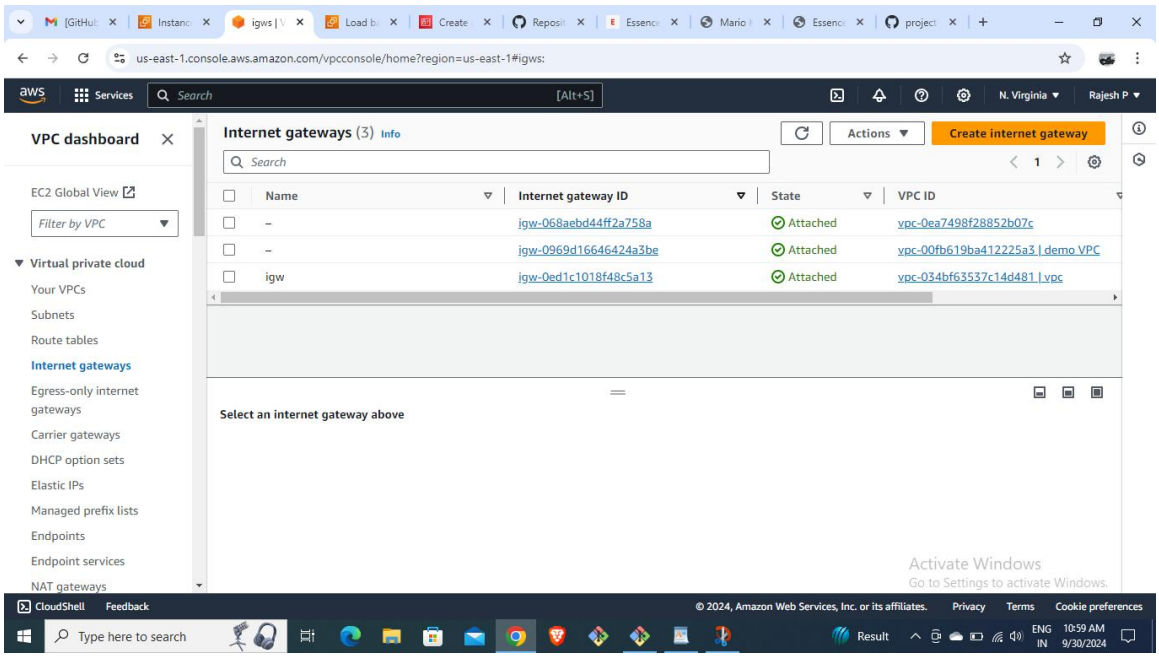
STEP2:SUBNET CREATION



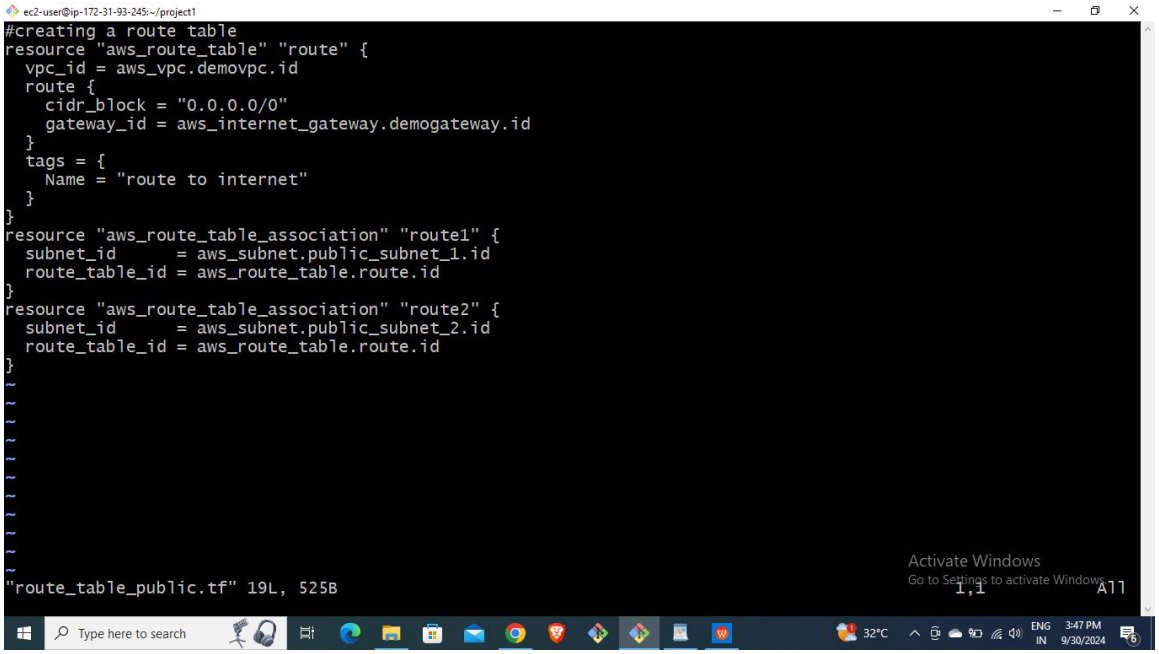


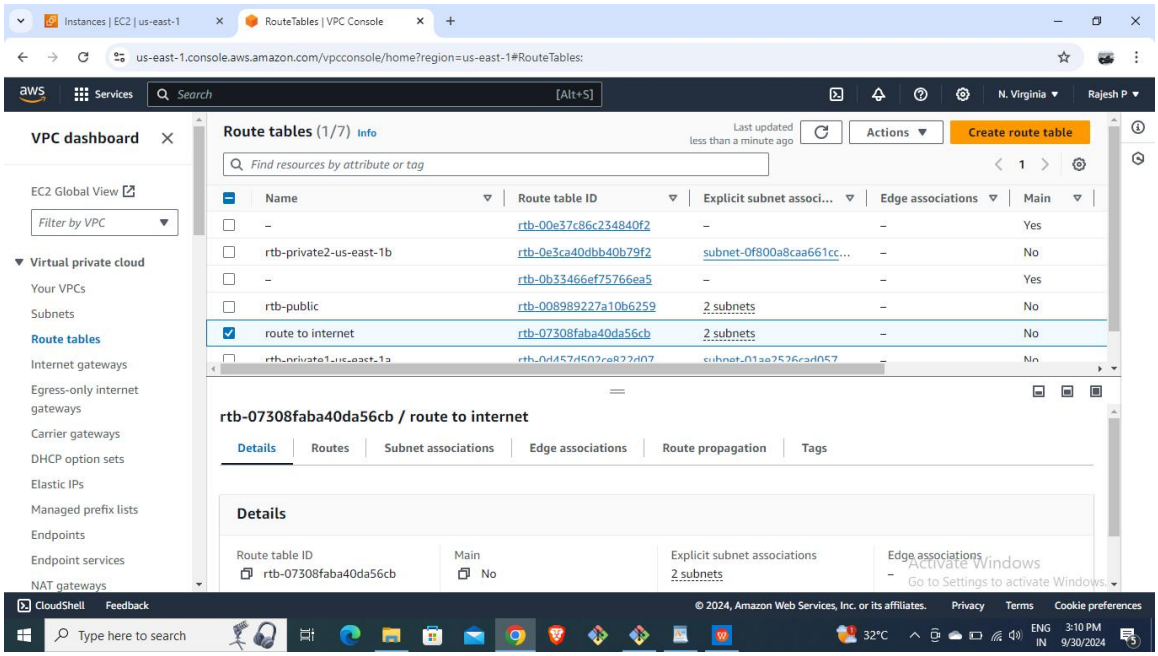
STEP3:IGW CREATION



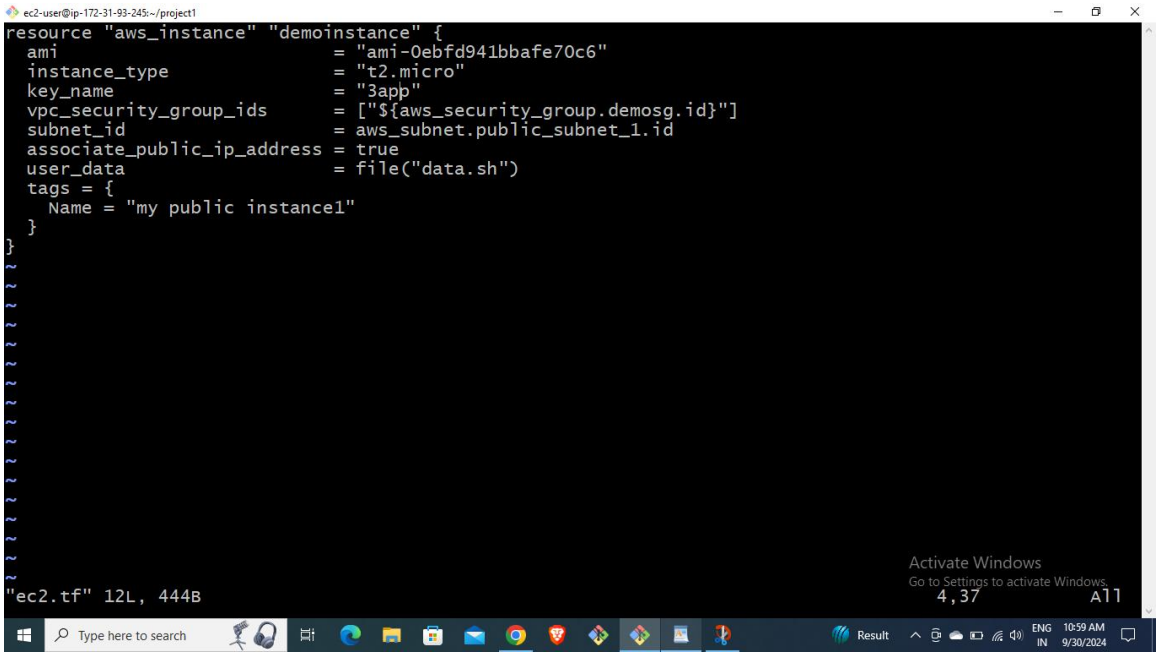


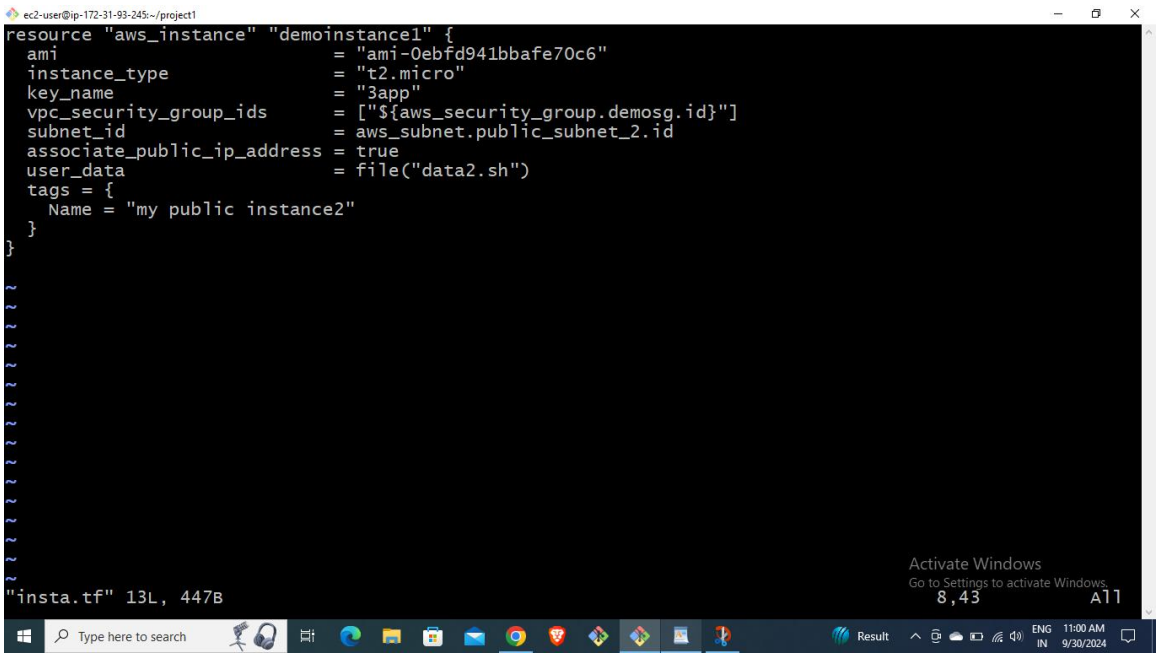
STEP4:ROUTE TABLE CREATION

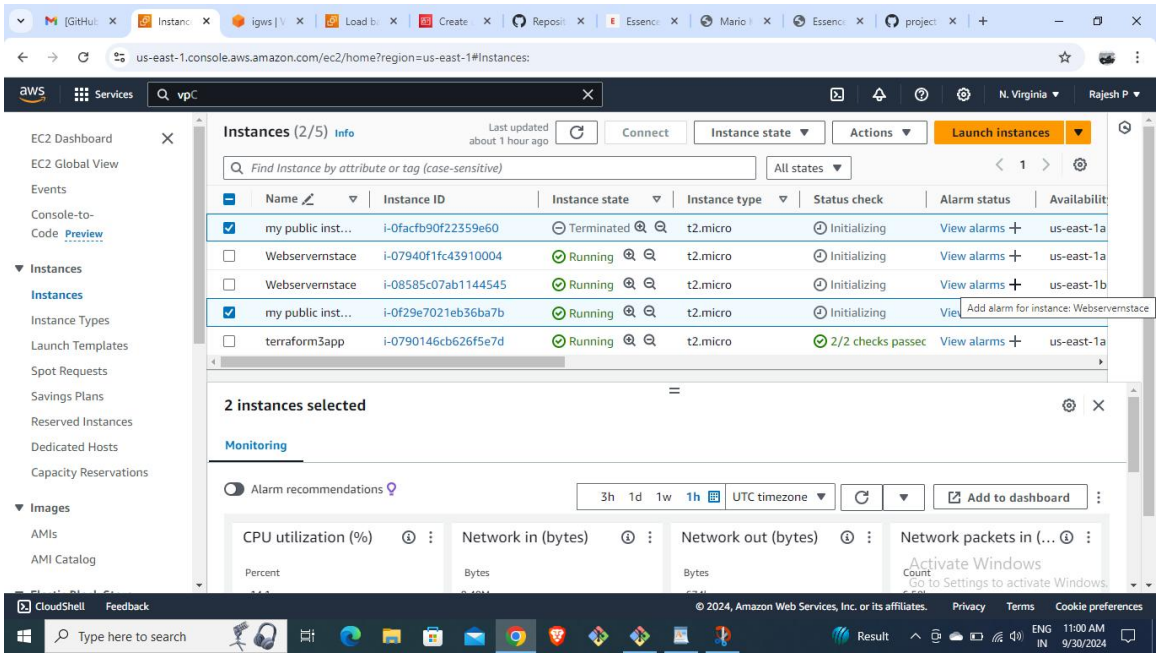




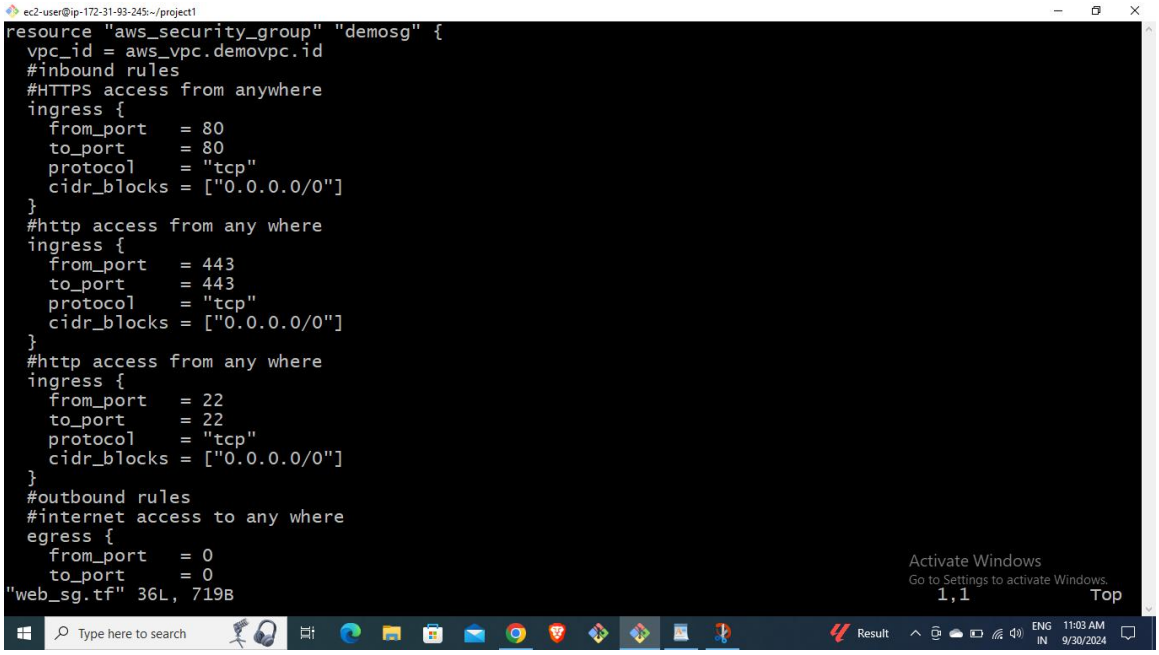
STEP5:CREATION OF TWO EC2 INSTANCES

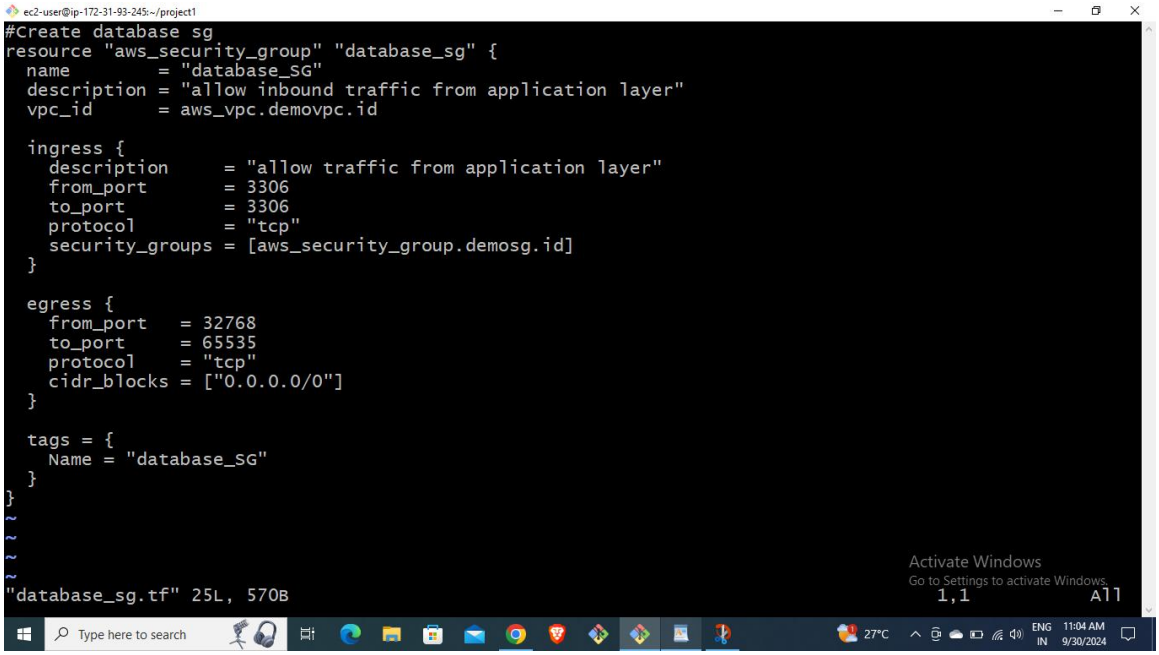




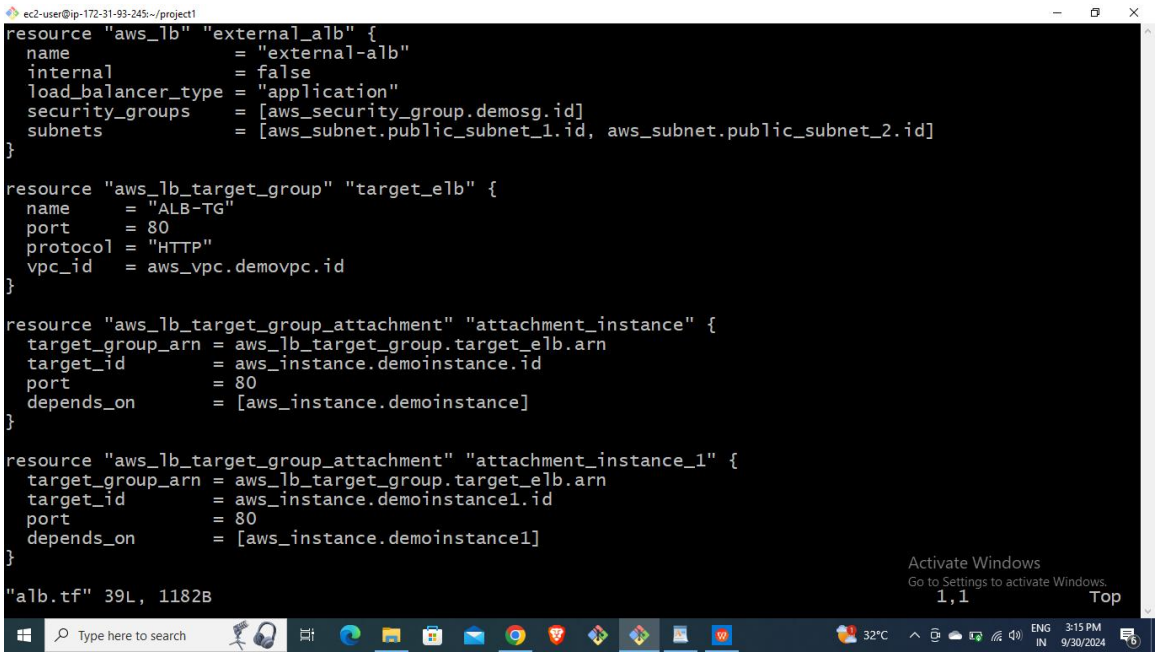


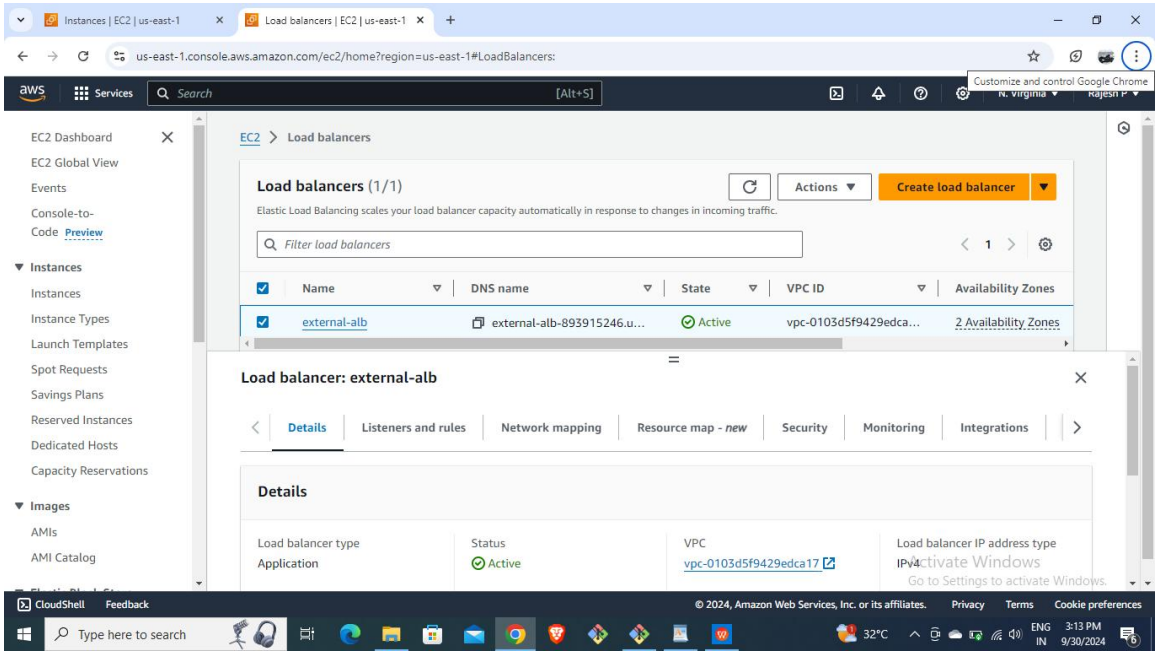
STEP6:CREATION OF SECURITY GROUPS



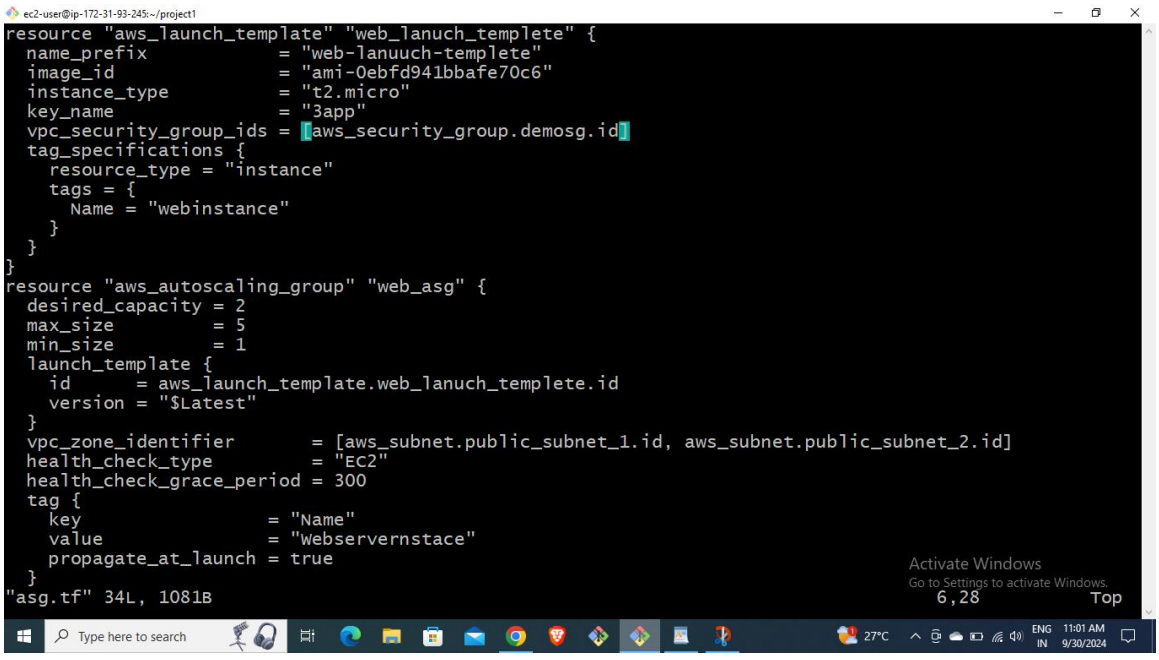


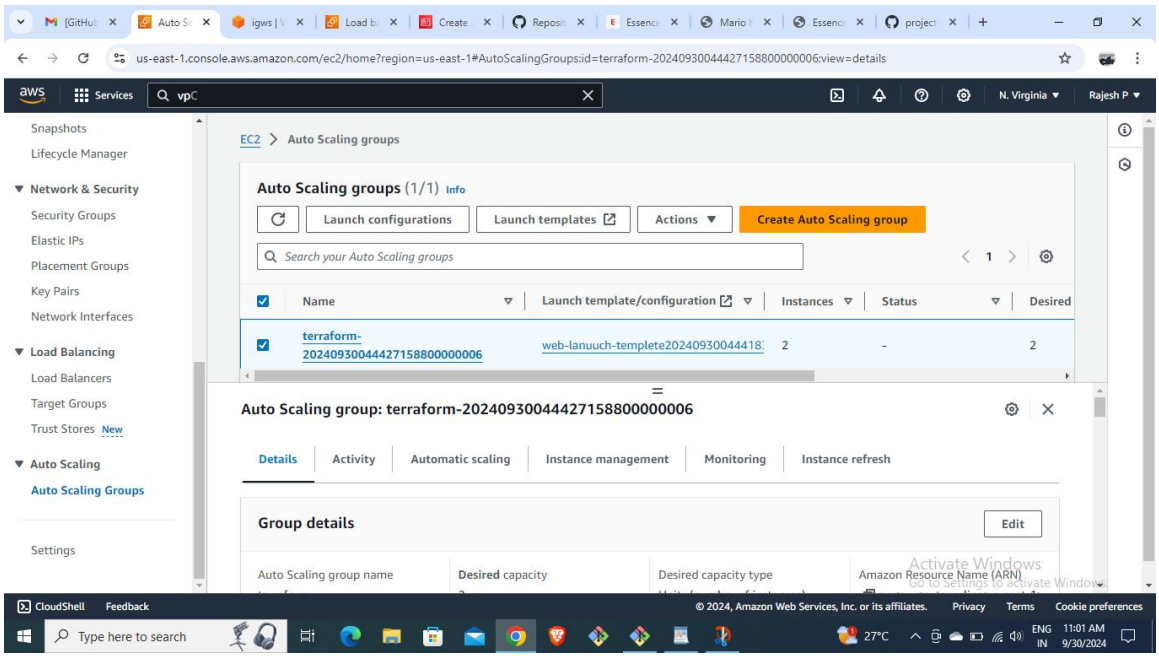
STEP7:CREATION OF LOAD BALANCER


ec2-user@ip-172-31-93-245:~/project1
resource "aws_lb" "external_alb" {
name = "external-alb"
internal = false
load_balancer_type = "application"
security_groups = [aws_security_group.demosg.id]
subnets = [aws_subnet.public_subnet_1.id, aws_subnet.public_subnet_2.id]
}
resource "aws_lb_target_group" "target_elb" {
name = "ALB-TG"
port = 80
protocol = "HTTP"
vpc_id = aws_vpc.demovpc.id
}
resource "aws_lb_target_group_attachment" "attachment_instance" {
target_group_arn = aws_lb_target_group.target_elb.arn
target_id = aws_instance.demoinstance.id
port = 80
depends_on = [aws_instance.demoinstance]
}
resource "aws_lb_target_group_attachment" "attachment_instance_1" {
target_group_arn = aws_lb_target_group.target_elb.arn
target_id = aws_instance.demoinstance1.id
port = 80
depends_on = [aws_instance.demoinstance1]
}
"alb.tf" 39L, 1182B
1,1
Top
Activate Windows
Go to Settings to activate Windows.
Type here to search
32°C
ENG
IN
3:15 PM
9/30/2024

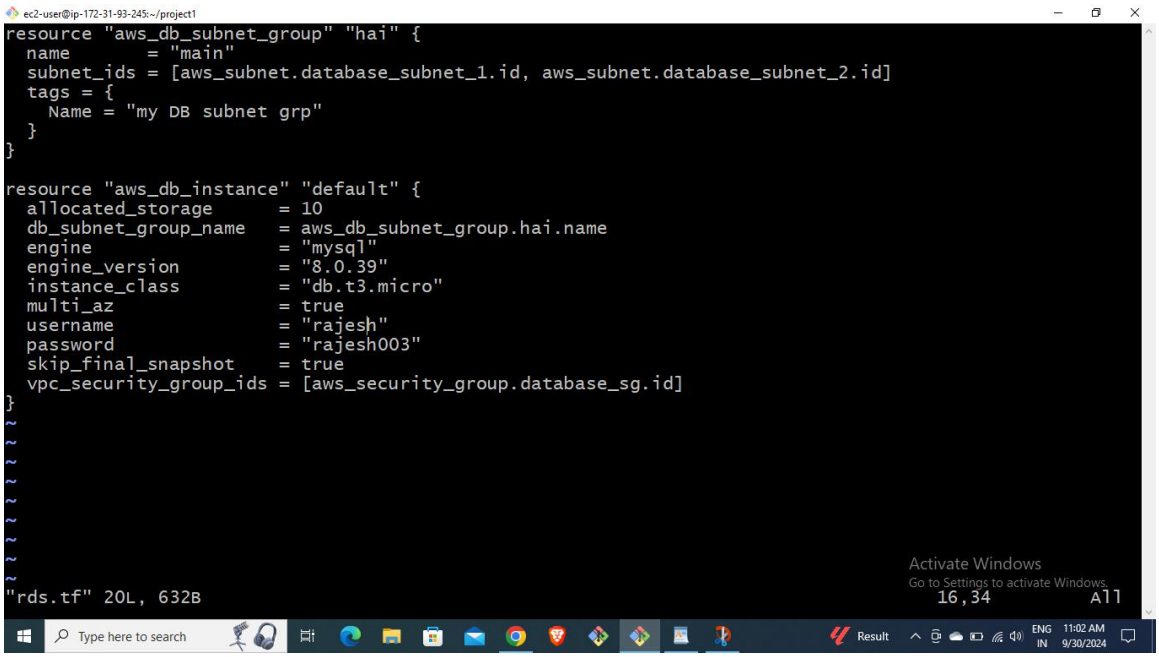

Instances | EC2 | us-east-1
Load balancers | EC2 | us-east-1
us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancers:
Customize and control Google Chrome
aws
Services
Search
[Alt+S]
N. Virginia
Rajesh P
EC2 Dashboard
EC2 Global View
Events
Console-to-Code Preview
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
EC2 > Load balancers
Load balancers (1/1)
Actions
Create load balancer
Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.
Filter load balancers
1
Name
DNS name
State
VPC ID
Availability Zones
external-alb
external-alb-893915246.u...
Active
vpc-0103d5f9429edca...
2 Availability Zones
Load balancer: external-alb
Details
Listeners and rules
Network mapping
Resource map - new
Security
Monitoring
Integrations
Details
Load balancer type
Application
Status
Active
VPC
vpc-0103d5f9429edca17
Load balancer IP address type
IPv4
Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
32°C
ENG
IN
3:13 PM
9/30/2024

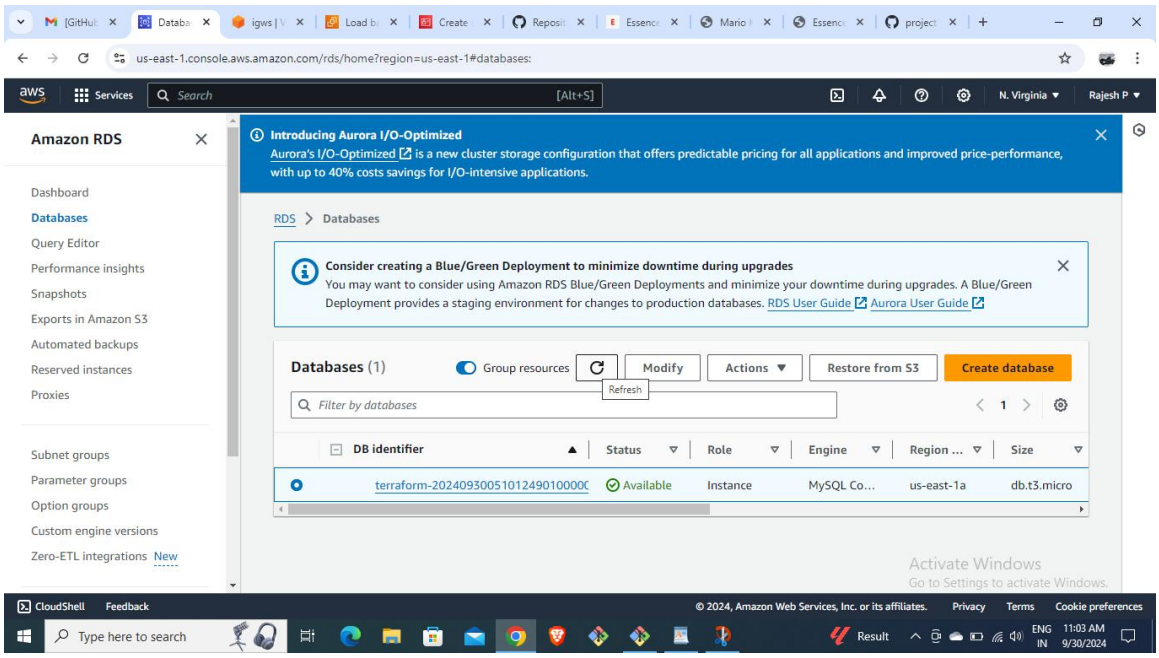
STEP8:CREATION IF AUTO SCALING GROUPS



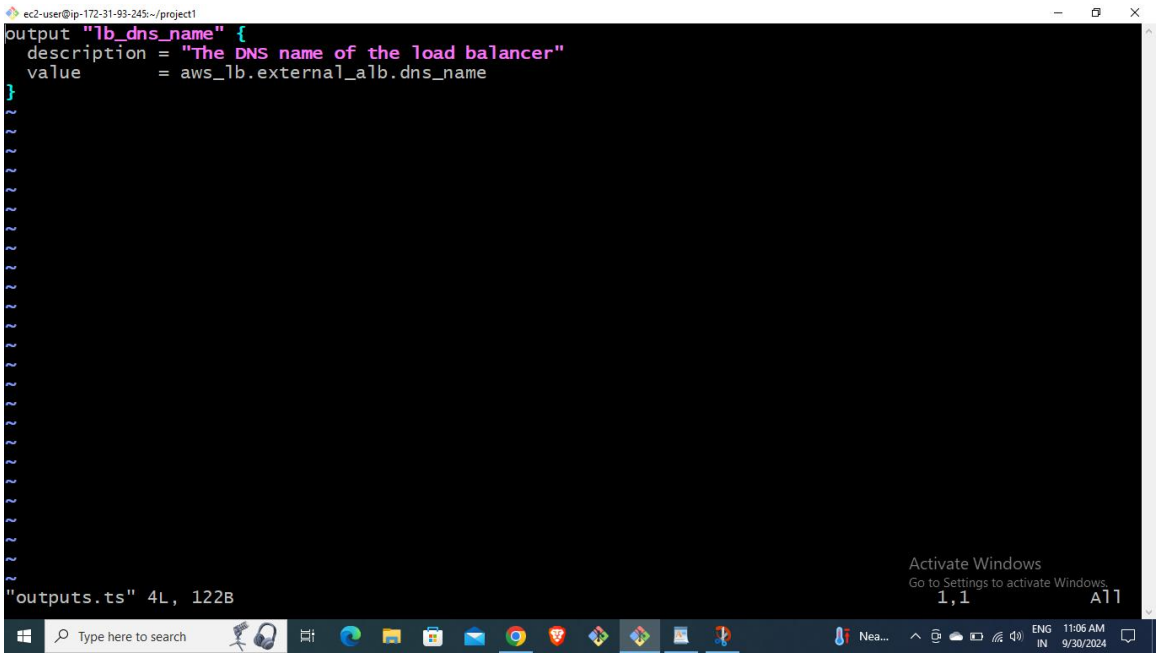


STEP9:CREATION OF RDS.





STEP10:FILE FOR OUTPUT



STEP11:BROWSE THE URL OF LB AND IT SHOWS LOAD IS BALANCING B/W TWO INSTANCES.