**School of Computer Science**

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**DEHRADUN, UTTARAKHAND**



System Monitoring And Configuration Management

**Lab File**

**(2024-2025)**

**for**

**6th Semester**

Submitted To: Submitted By:

Dr. Hitesh Kumar Sharma Ishita Nigam

B. Tech. CSE DevOps

[6h Semester]

Sap id- 500091361

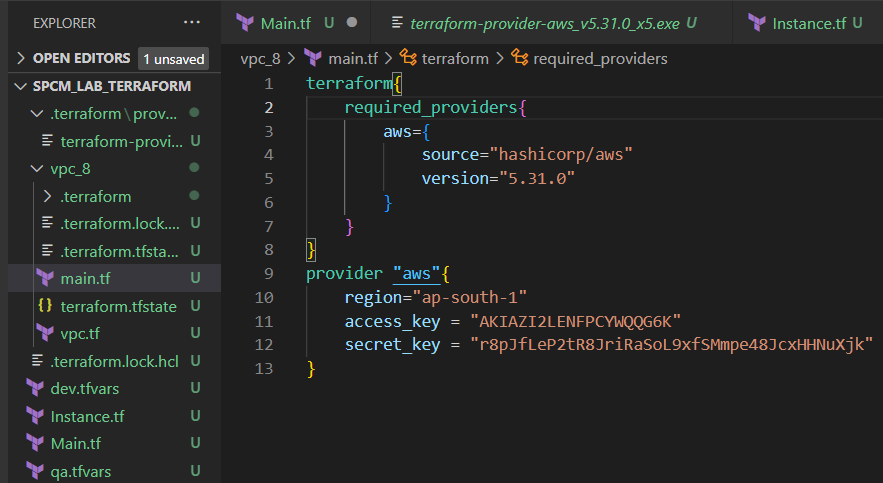
Batch 1

R2142210366

**LAB EXERCISE 8**

**Aim: Creating a VPC in Terraform Objective**

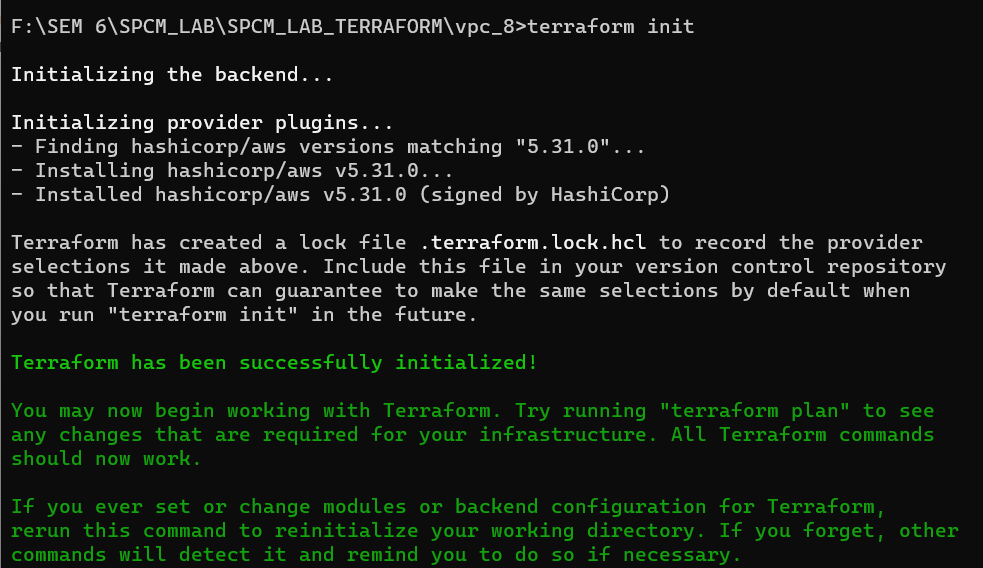
Step 1: Create a main.tf file



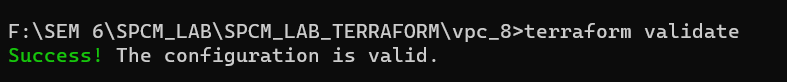
Step 2: Create a vpc.tf file



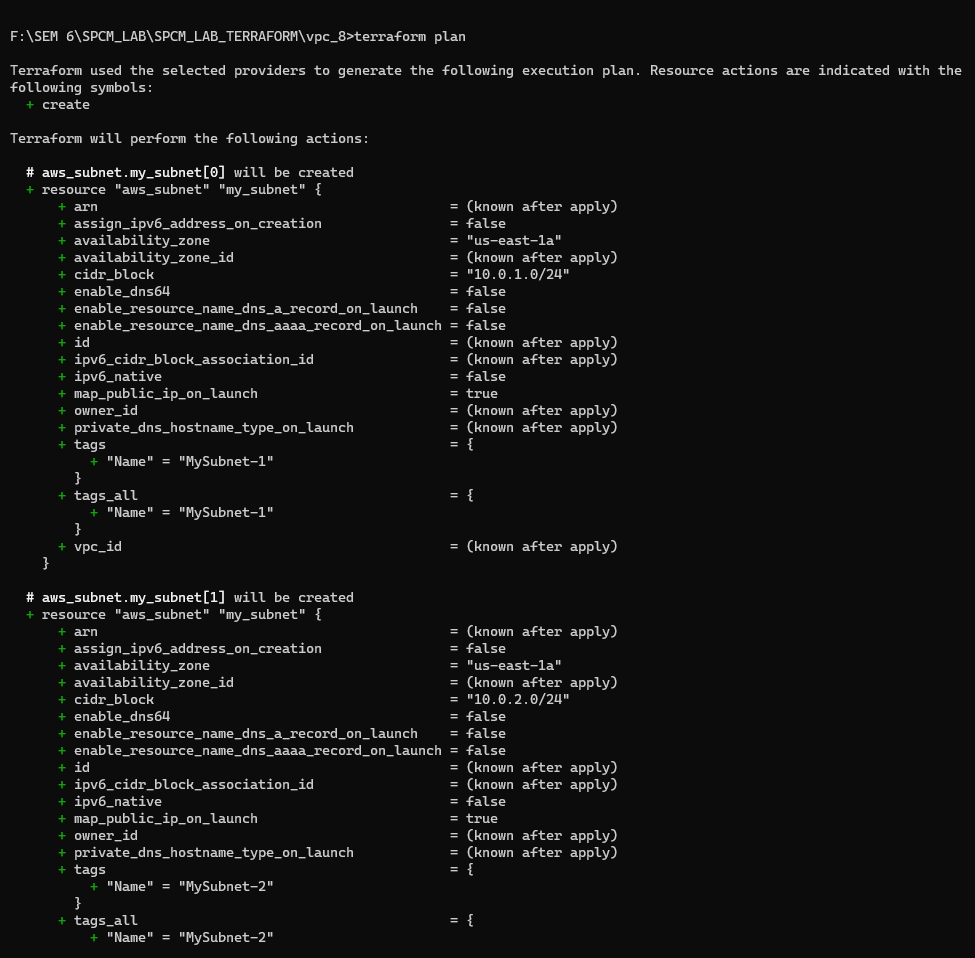
Step 3: Now run terraform init command to Initialize.

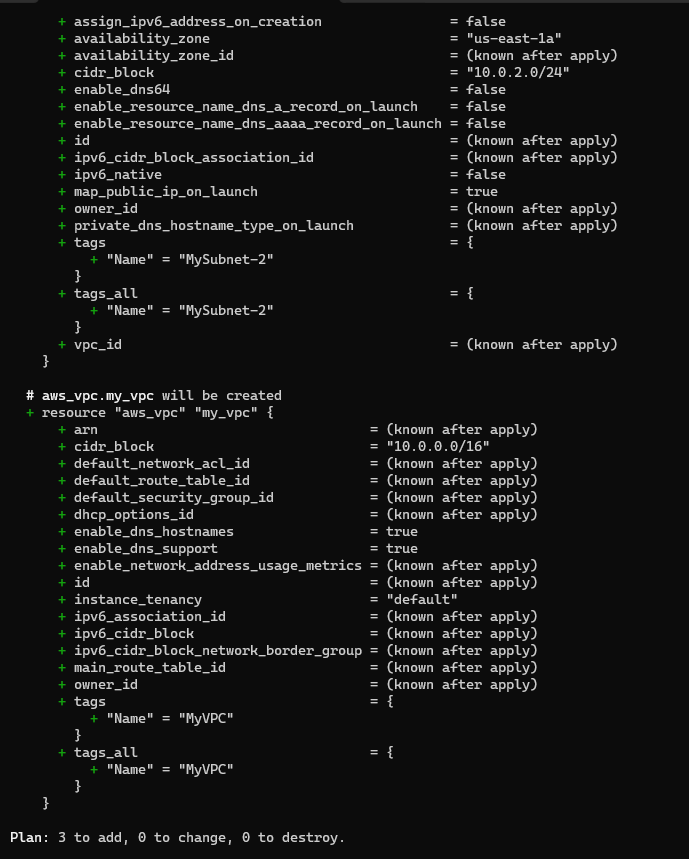


Step 4: Now run the terraform validate command to check if any error is present or not.

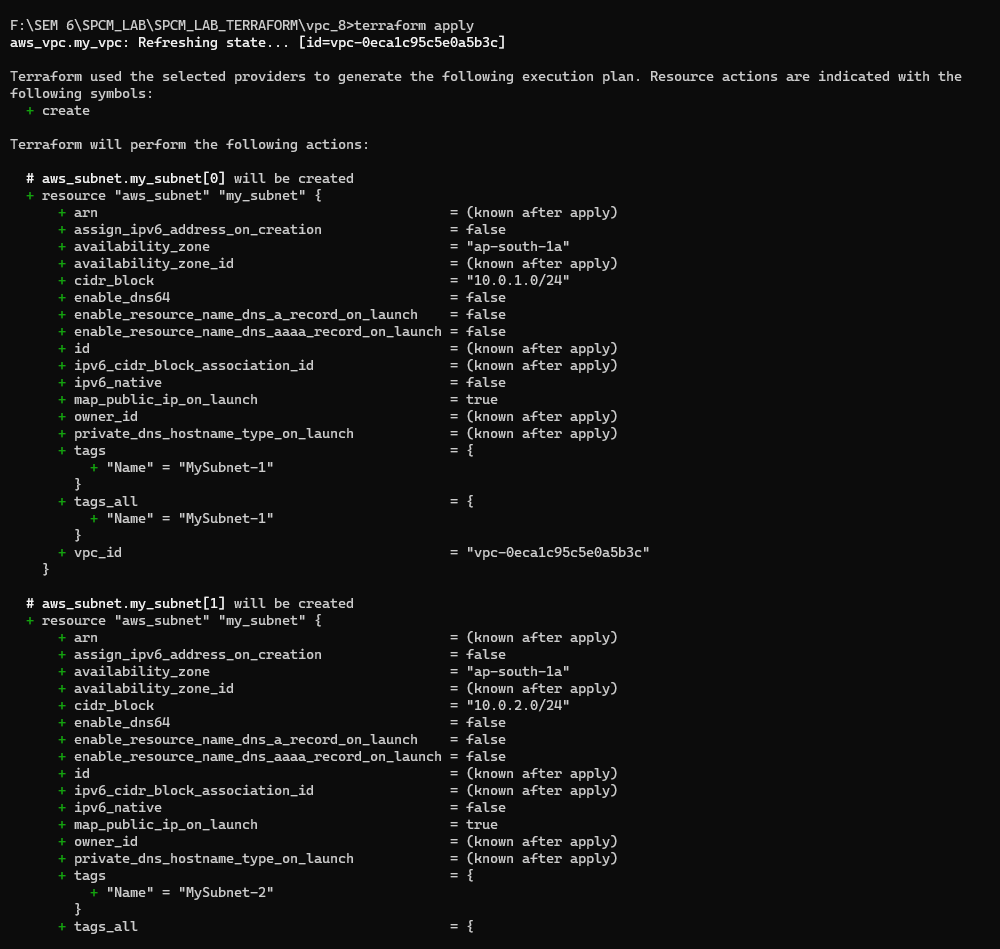


Step 5: Now run terraform plan command

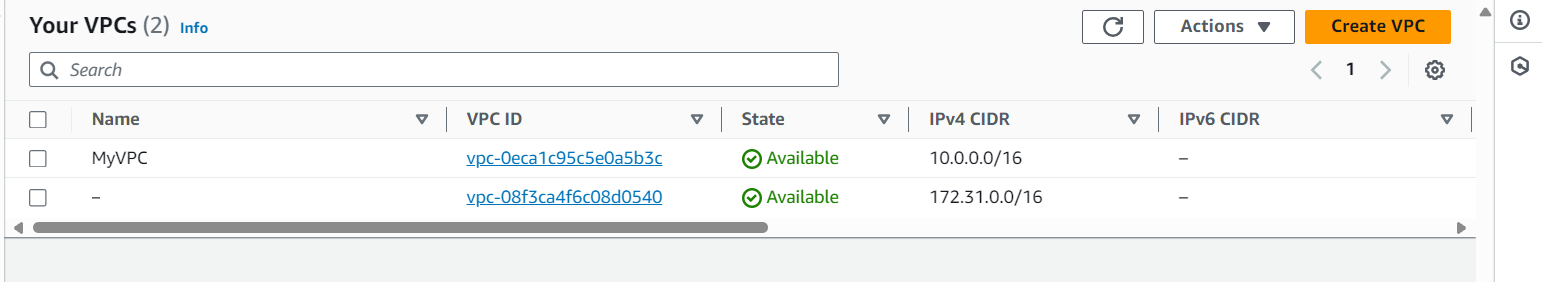


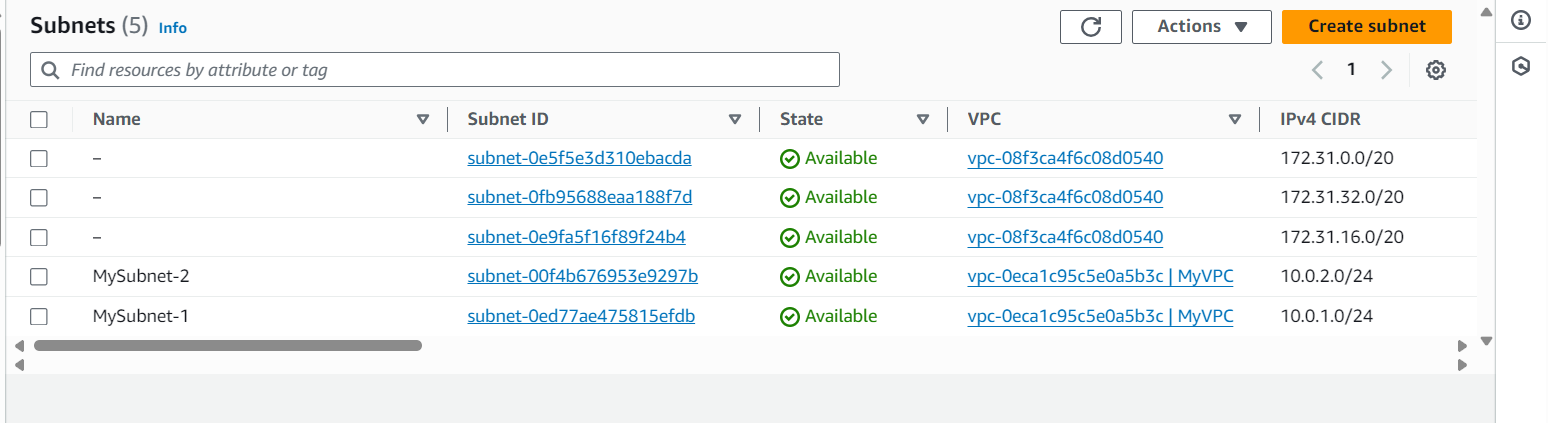


Step 6: Now run the terraform apply command.

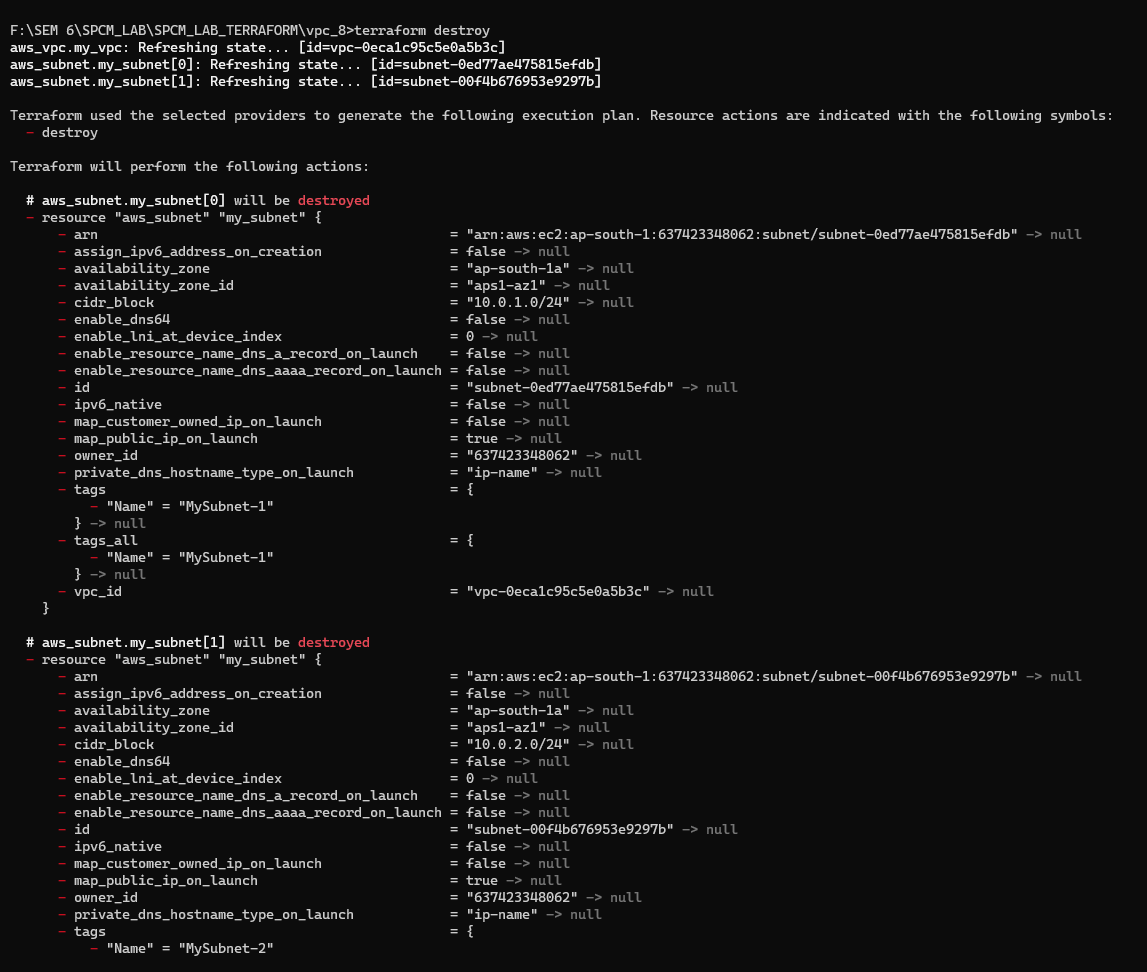


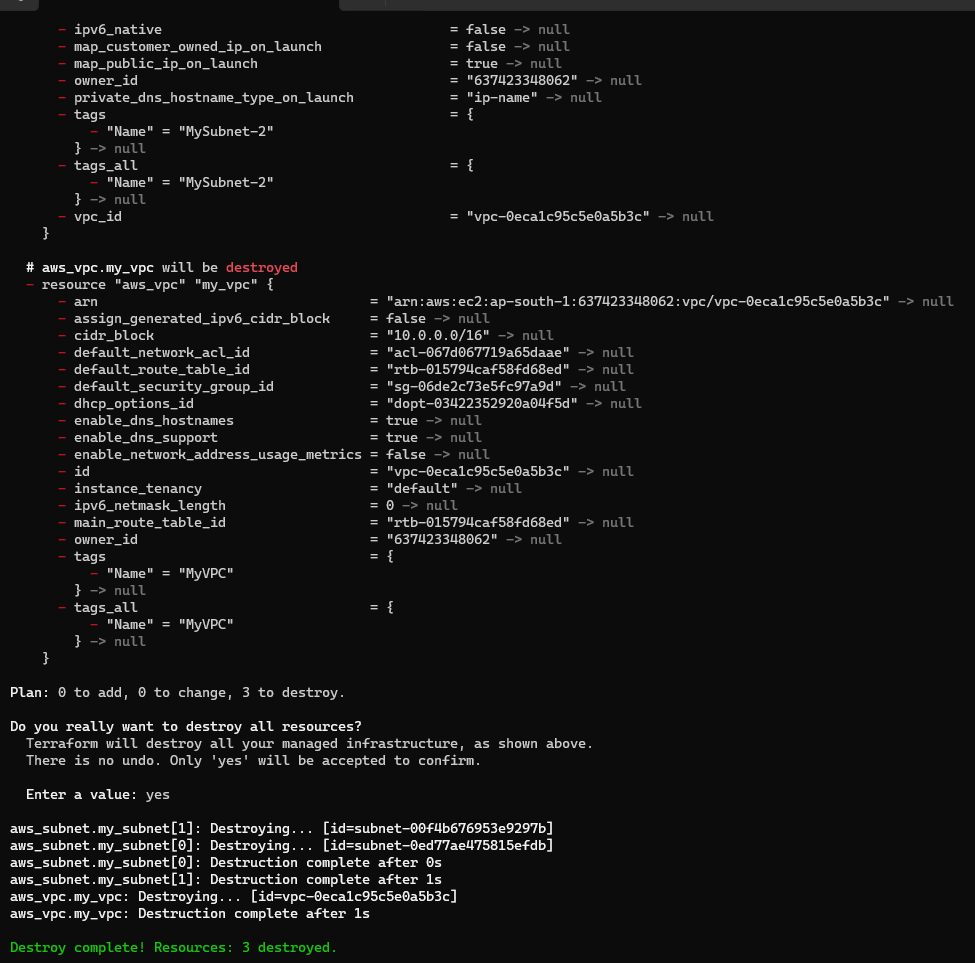


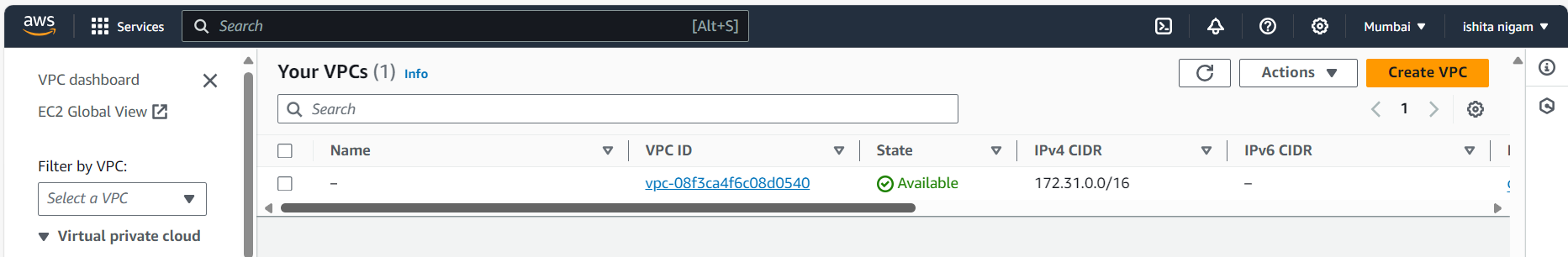


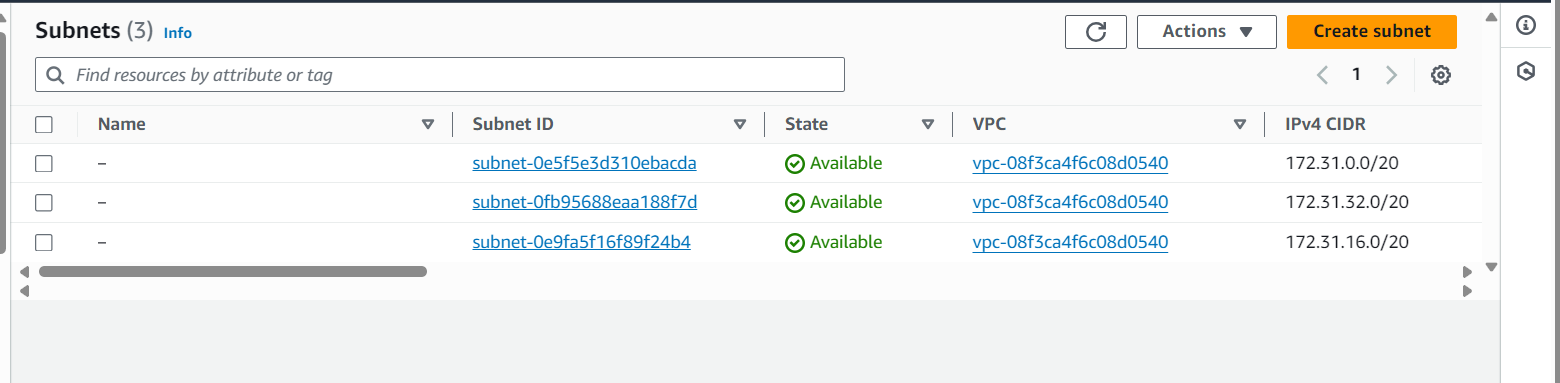


Step 7: Now run the terraform destroy to destroy the VPC created.

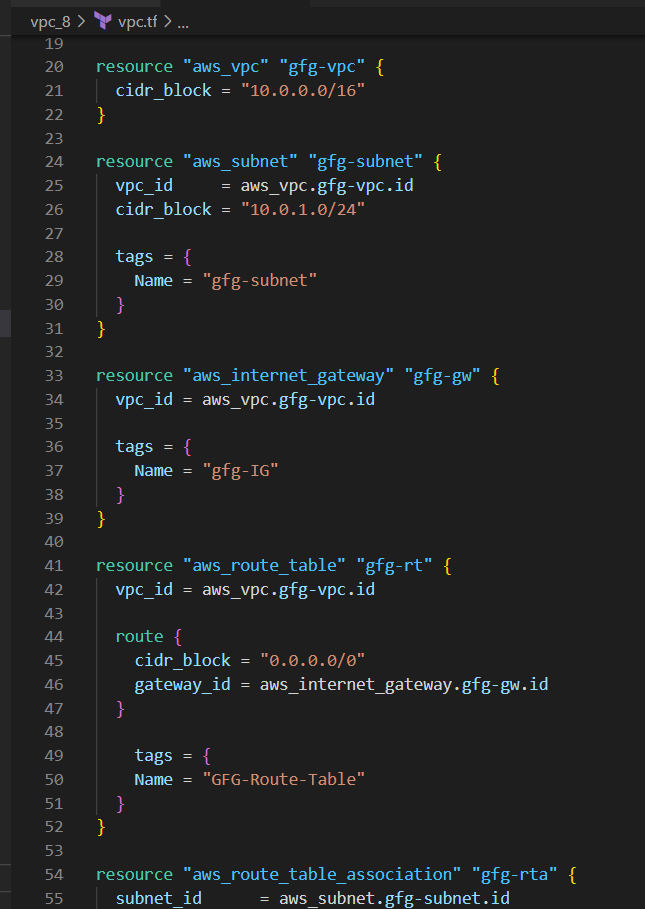


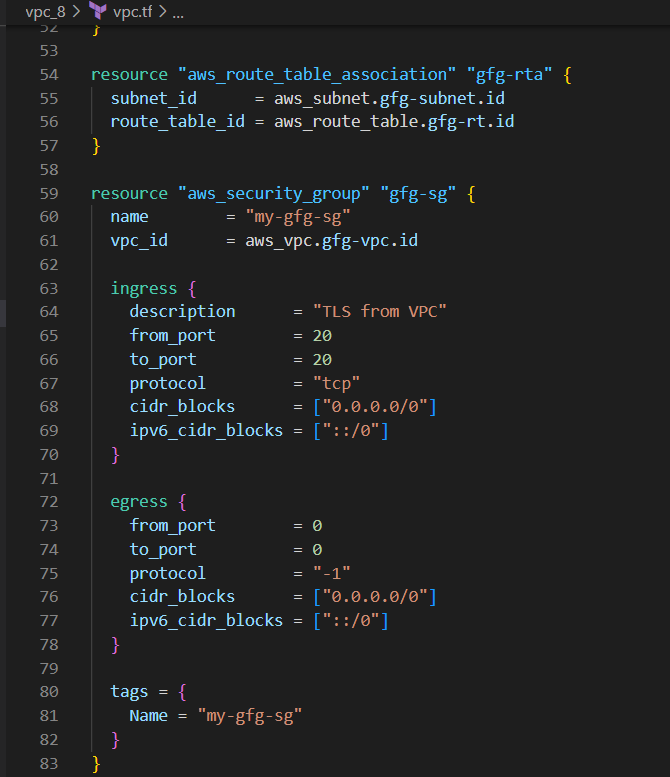




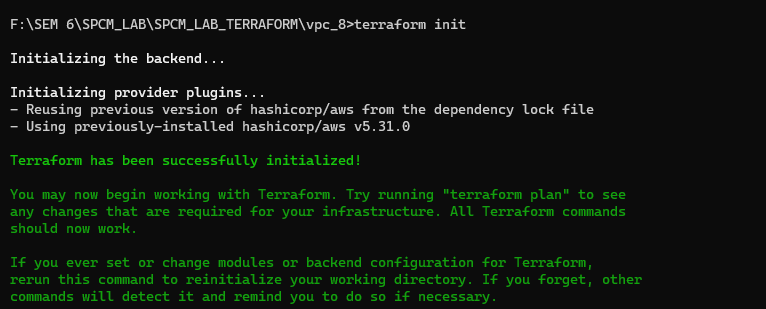


Step 8: Now update the vpc.tf file.



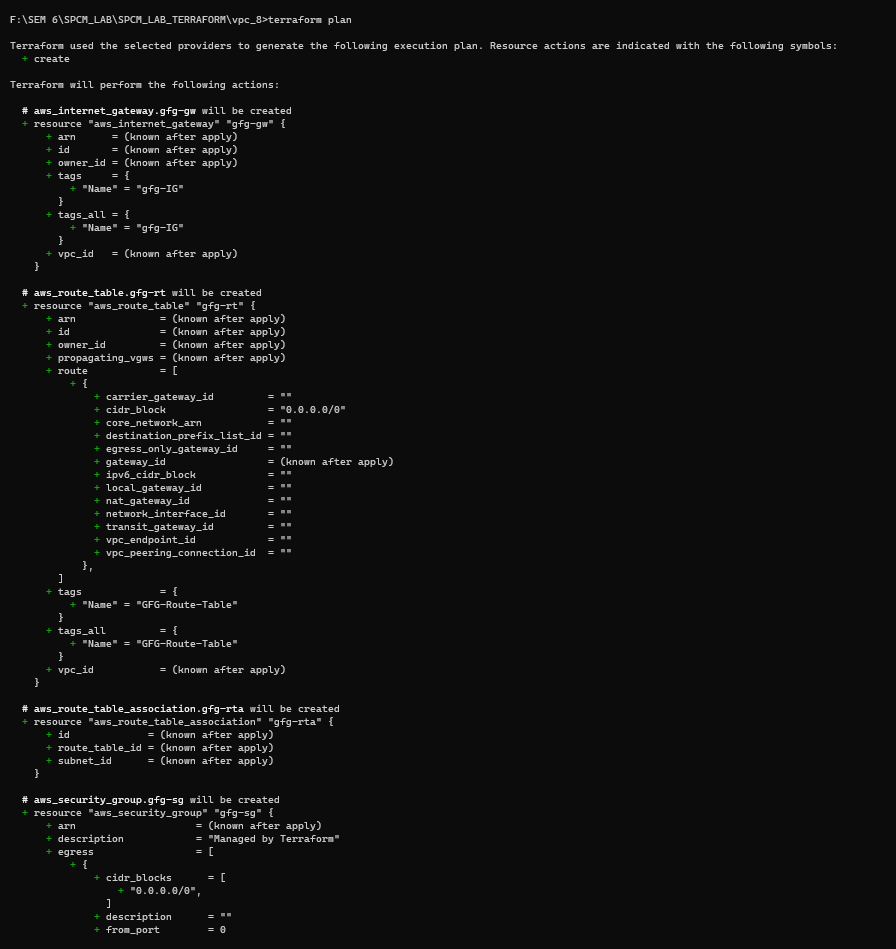


Step 9: Now again run the terraform run and validate command.

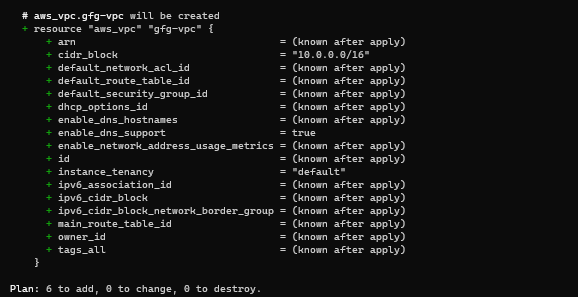




Step 10: Now again run the terraform plan command.



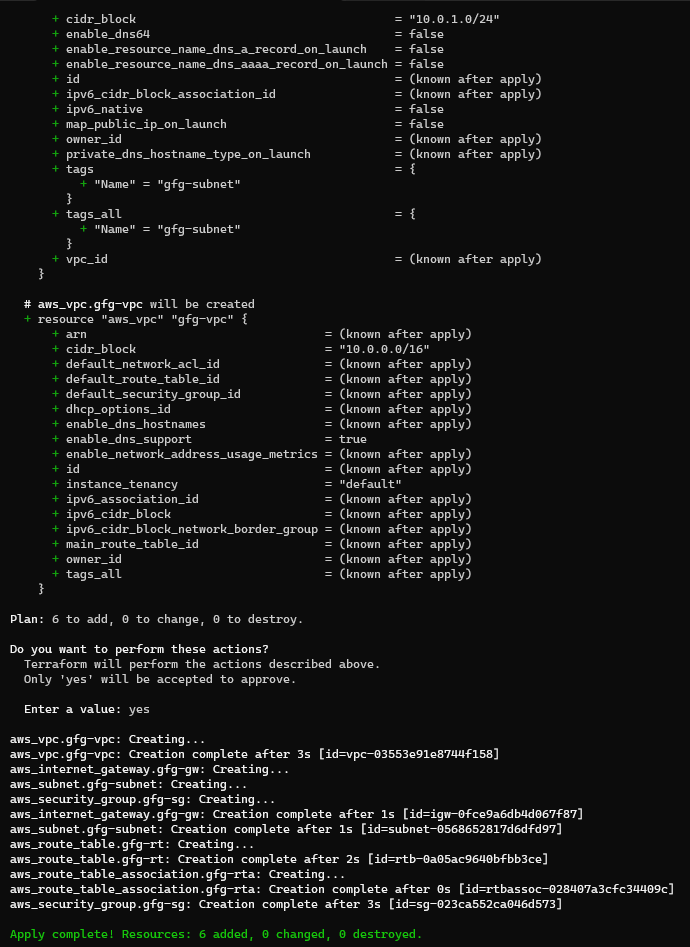




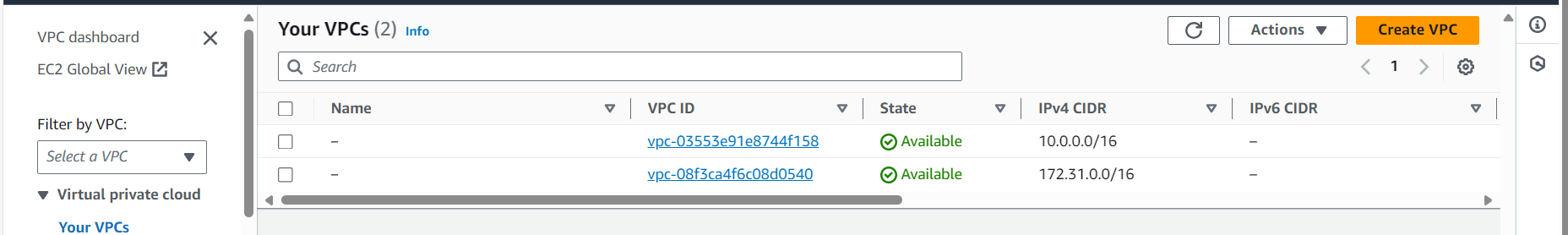
Step 11: Now run the terraform apply command.



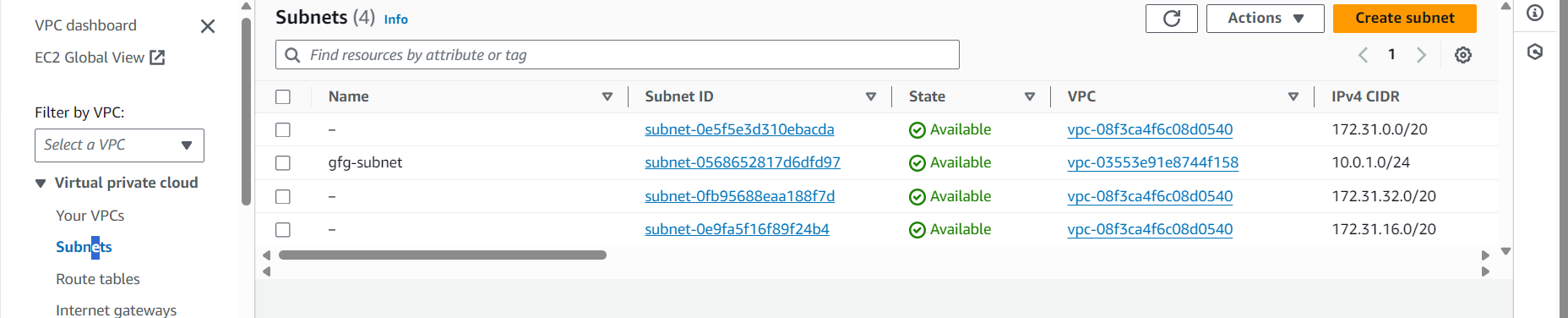




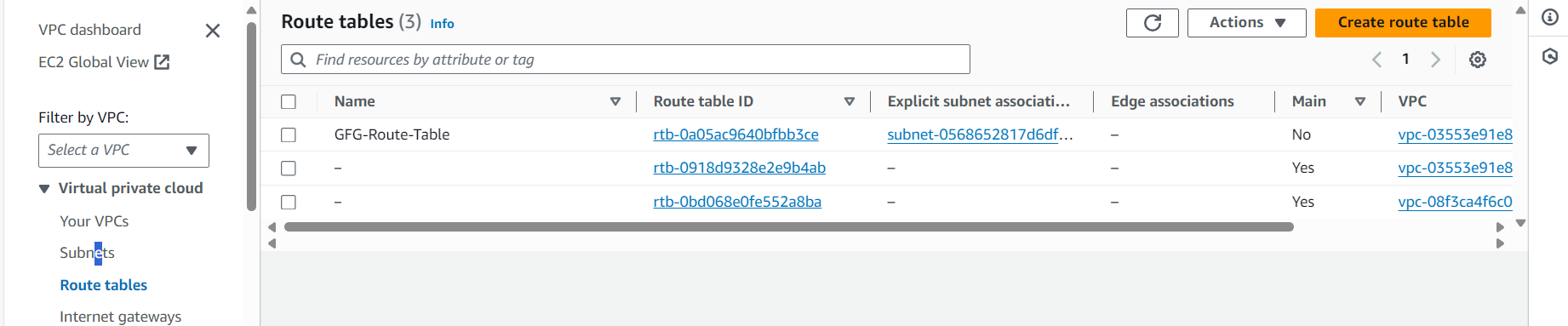
VPC:



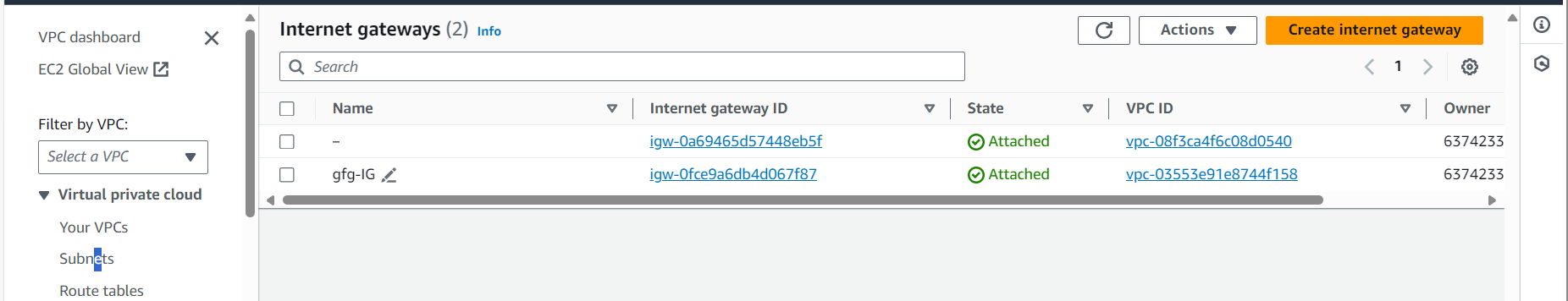
SUBNET:



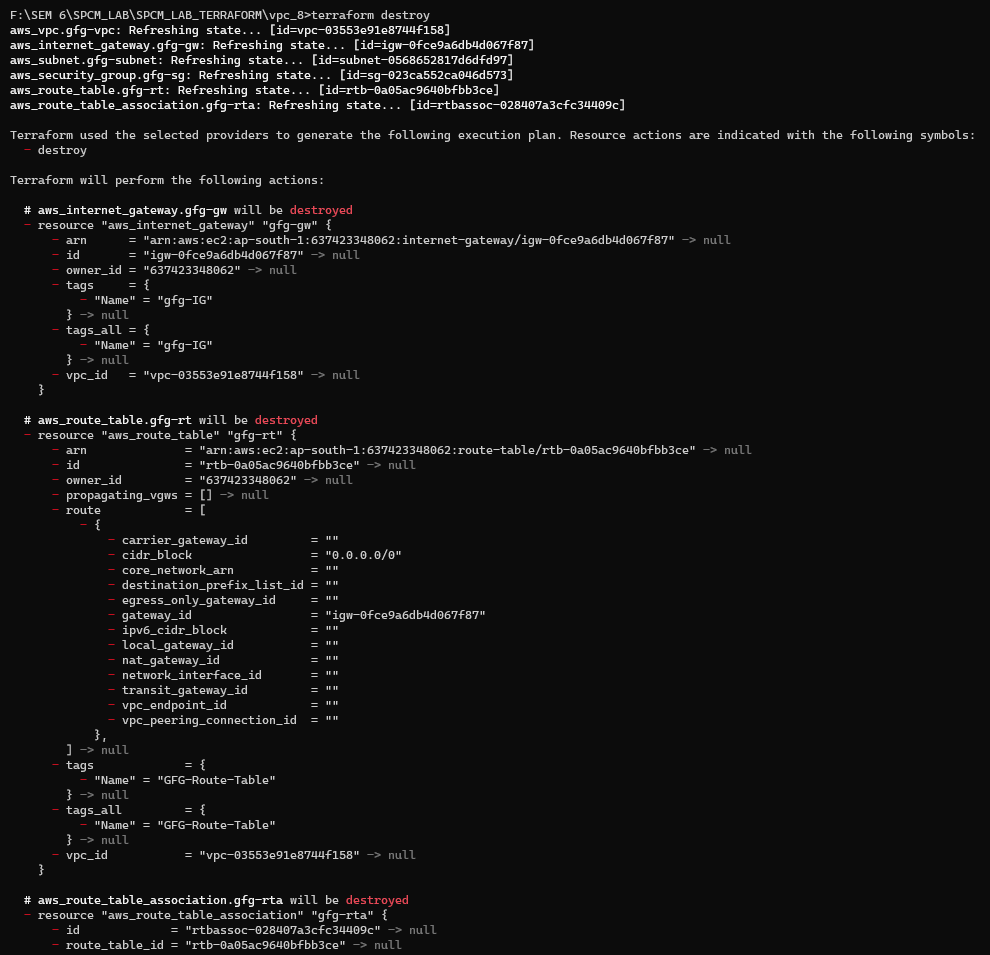
ROUTE TABLE:

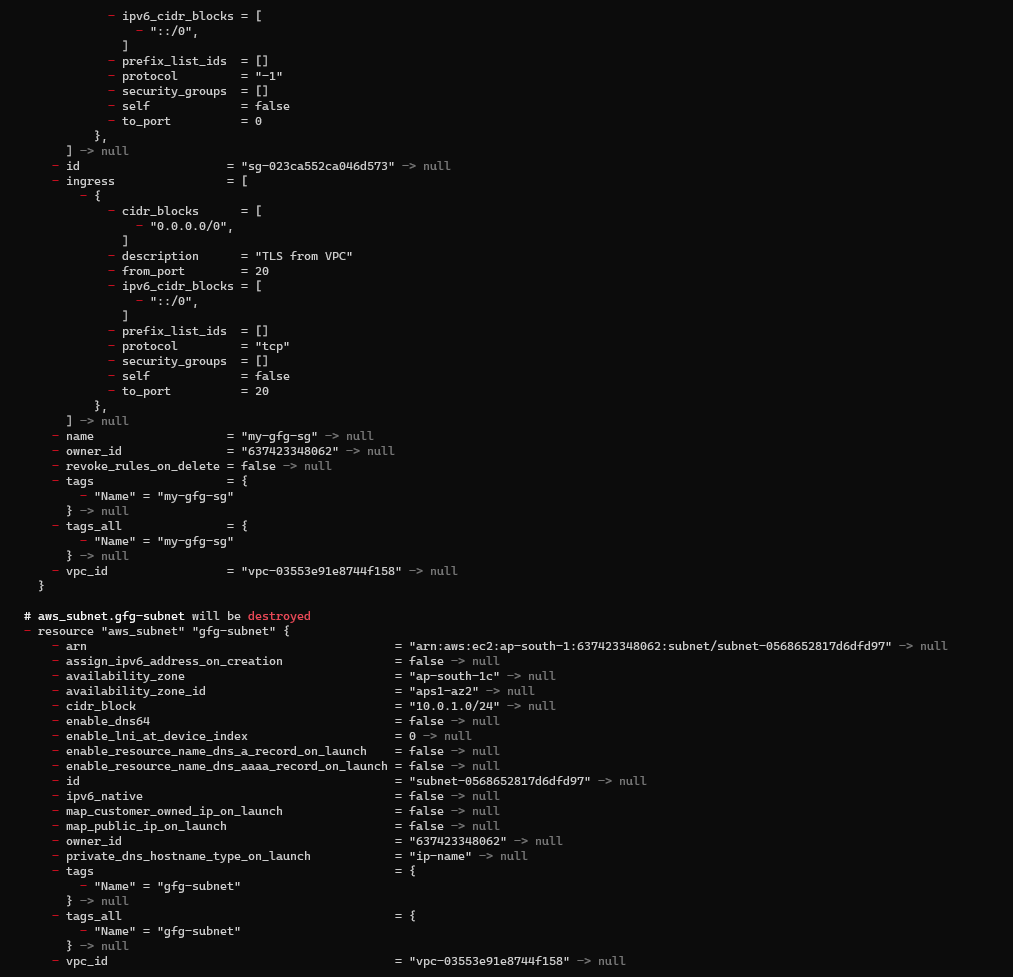


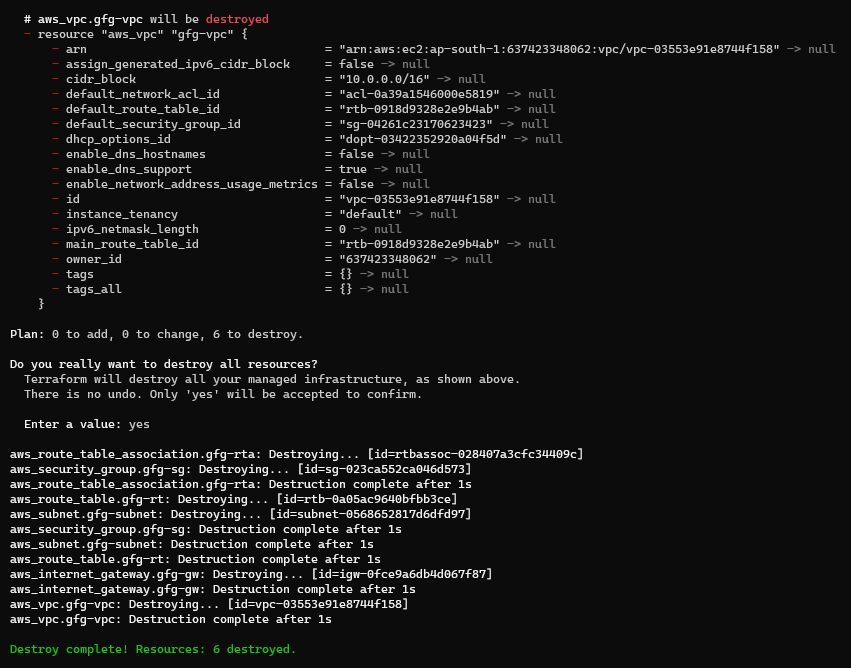
INTERNET GATEWAY:



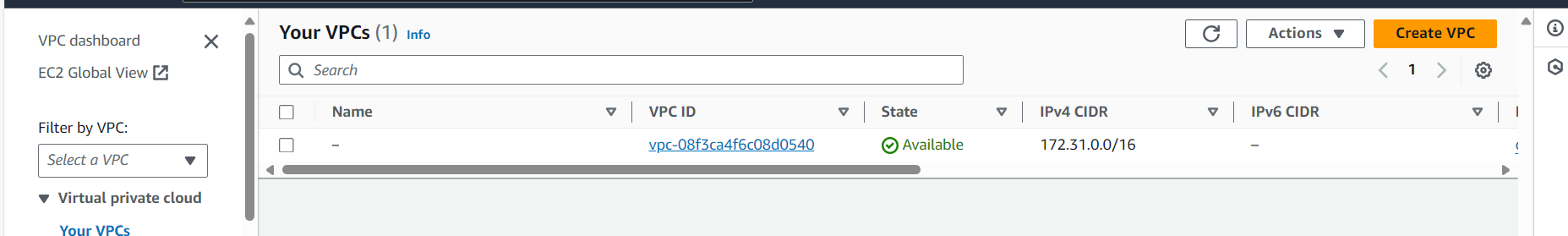
Step 12: Now run terraform destroy command.



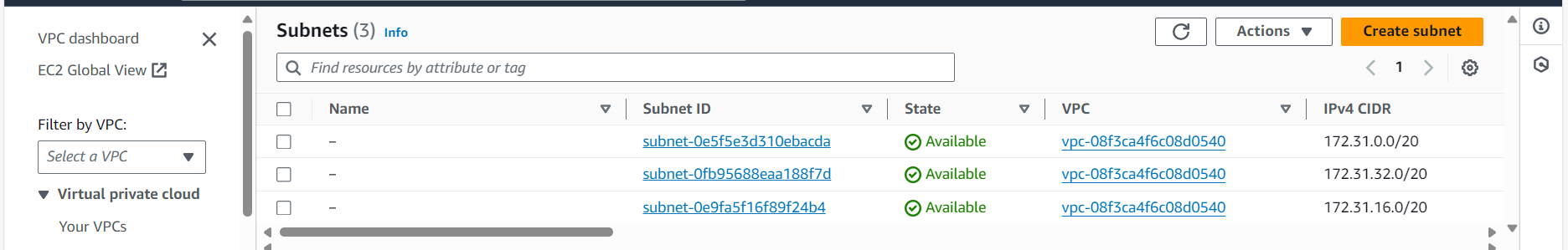




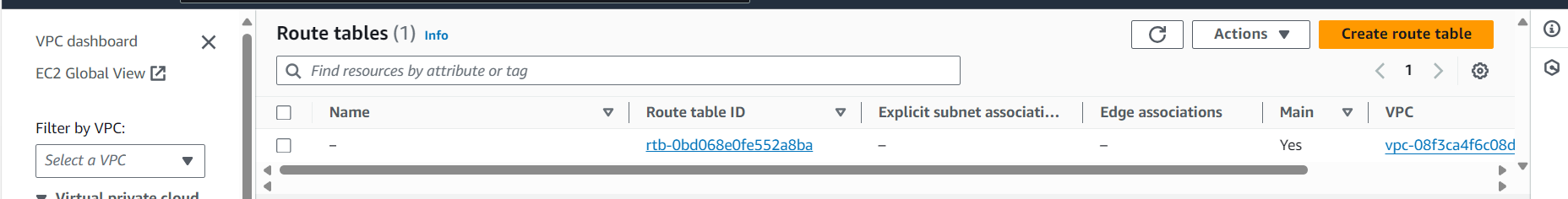
VPC:



SUBNET:



ROUTE TABLE:



INTERNET GATEWAY:

