**School of Computer Science**

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**DEHRADUN, UTTARAKHAND**



**System Provisioning and Configuration Management**

**Lab File (2021-2025)**

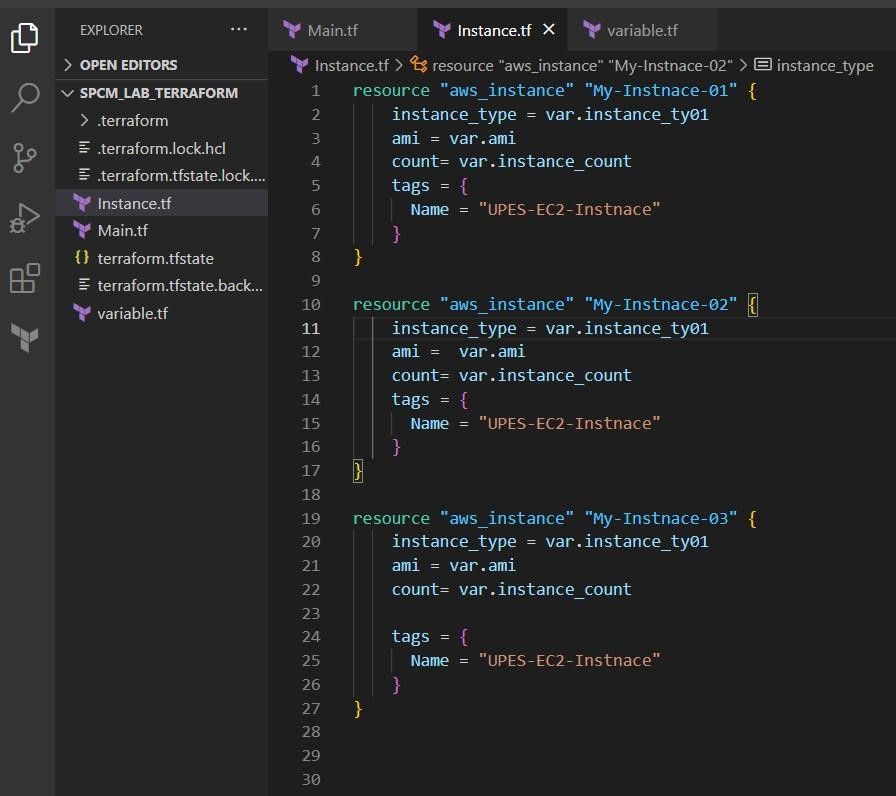
# **6th Semester**

|  |  |
| --- | --- |
| *Submitted To:*  ***Dr. Hitesh Kumar Sharma*** | *Submitted By:*  *Abhay Chaudhary*  *(500090987)*  *B Tech CSE*  *DevOps[6th Semester]*  *R2142210016*  *Batch - 1* |

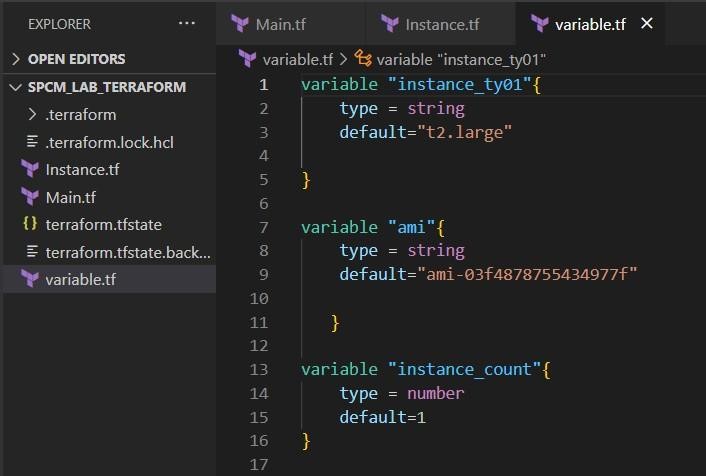
Lab Exercise 6– Terraform Multiple tfvars Files

**Aim:** Terraform Variables with Command Line Arguments

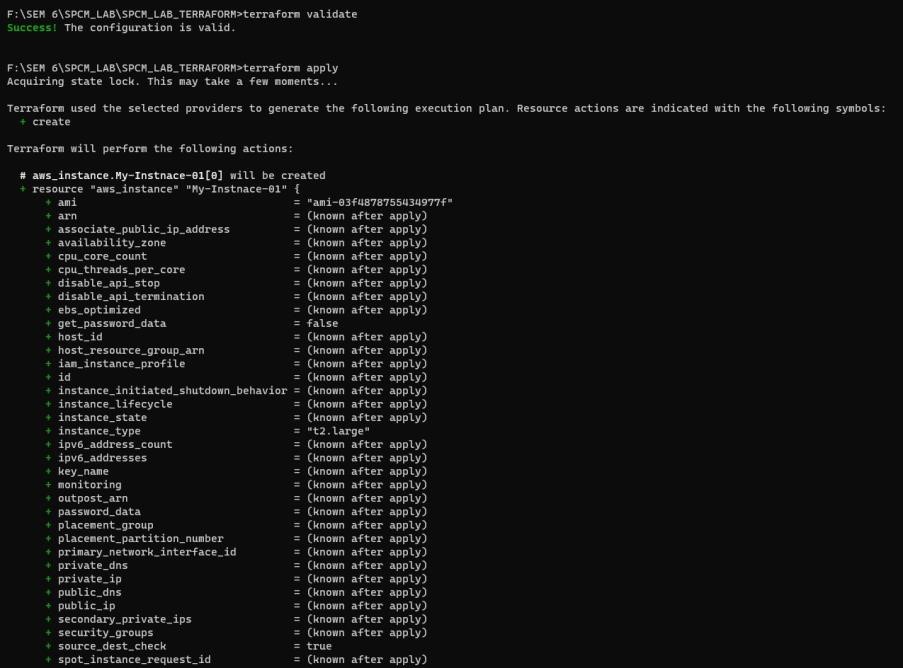
Step 1: Create a instance.tf file:



Step 2: Create a variable.tf file

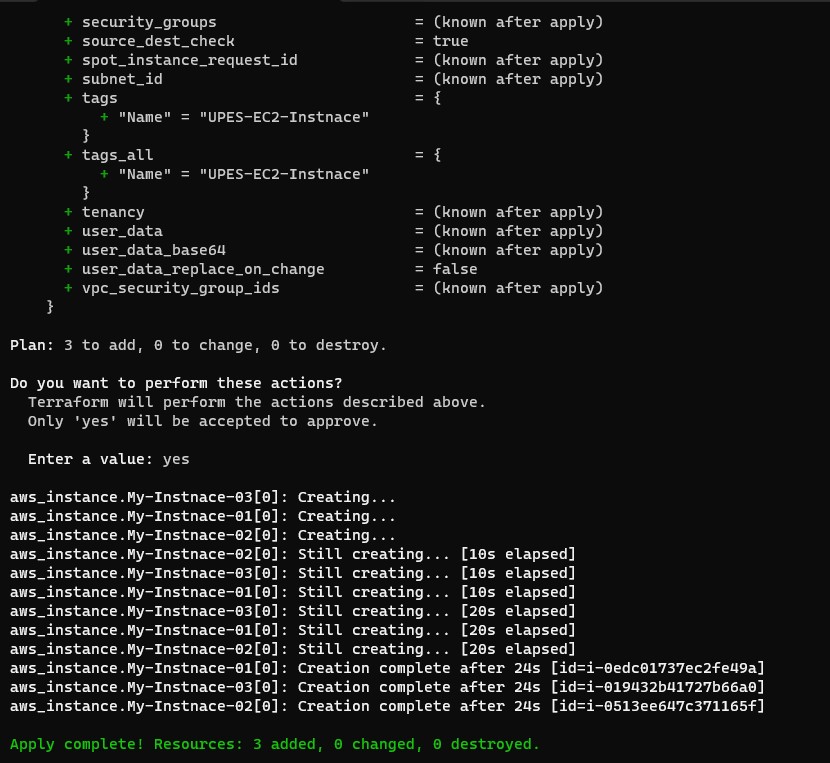


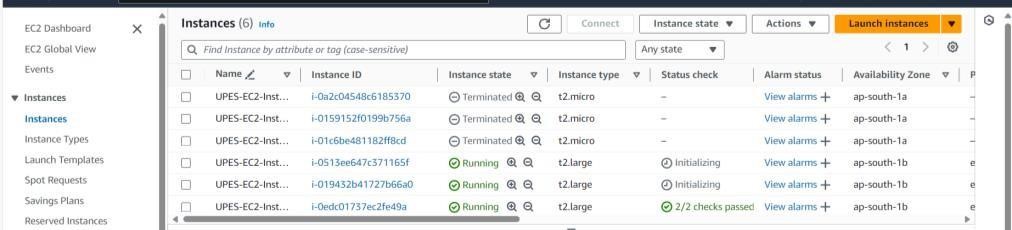
Step 3: Perform Terraform Validate And Apply



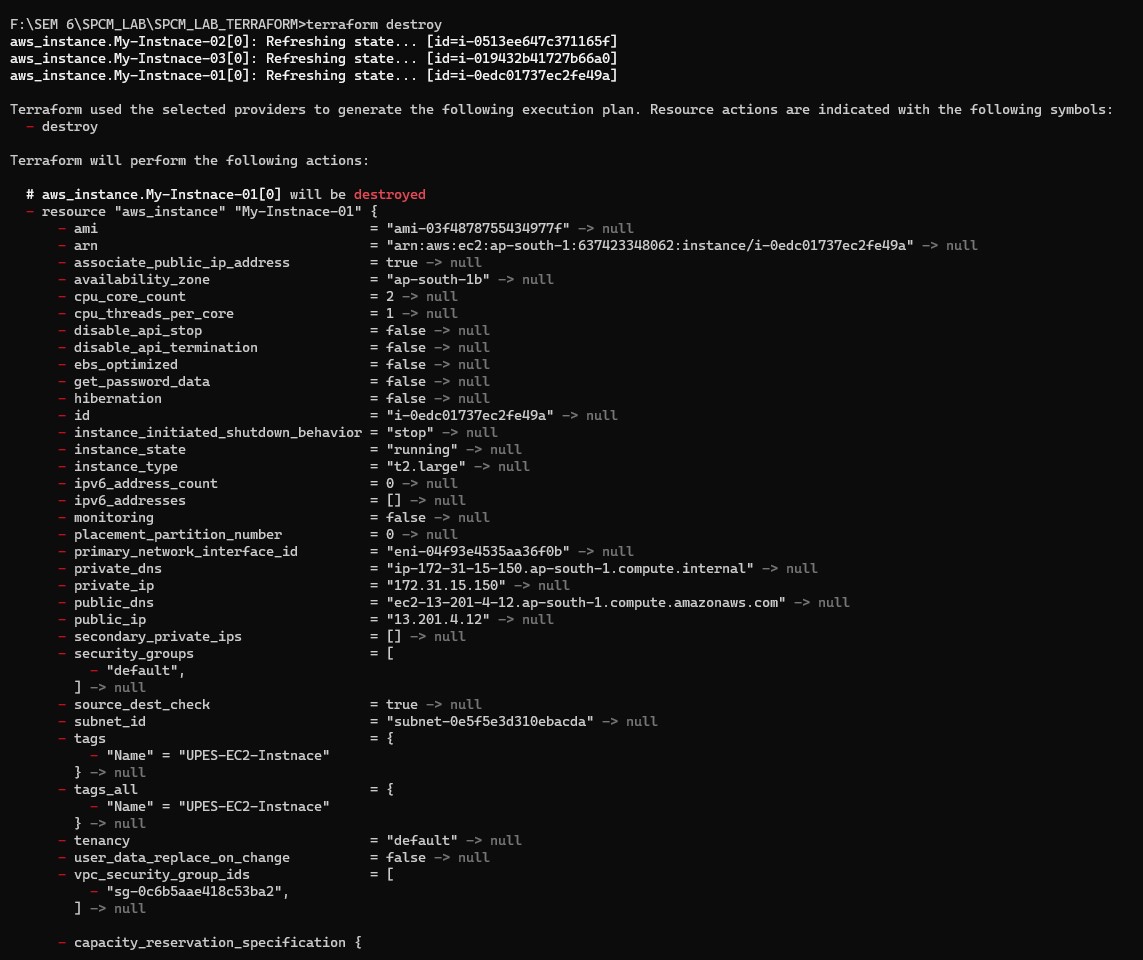


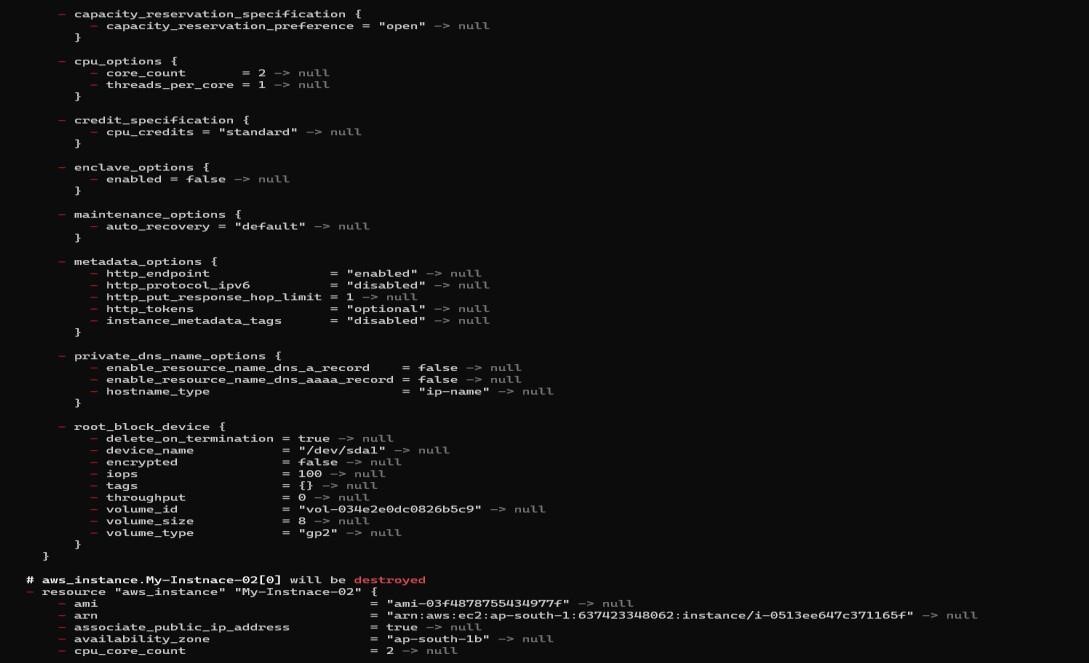


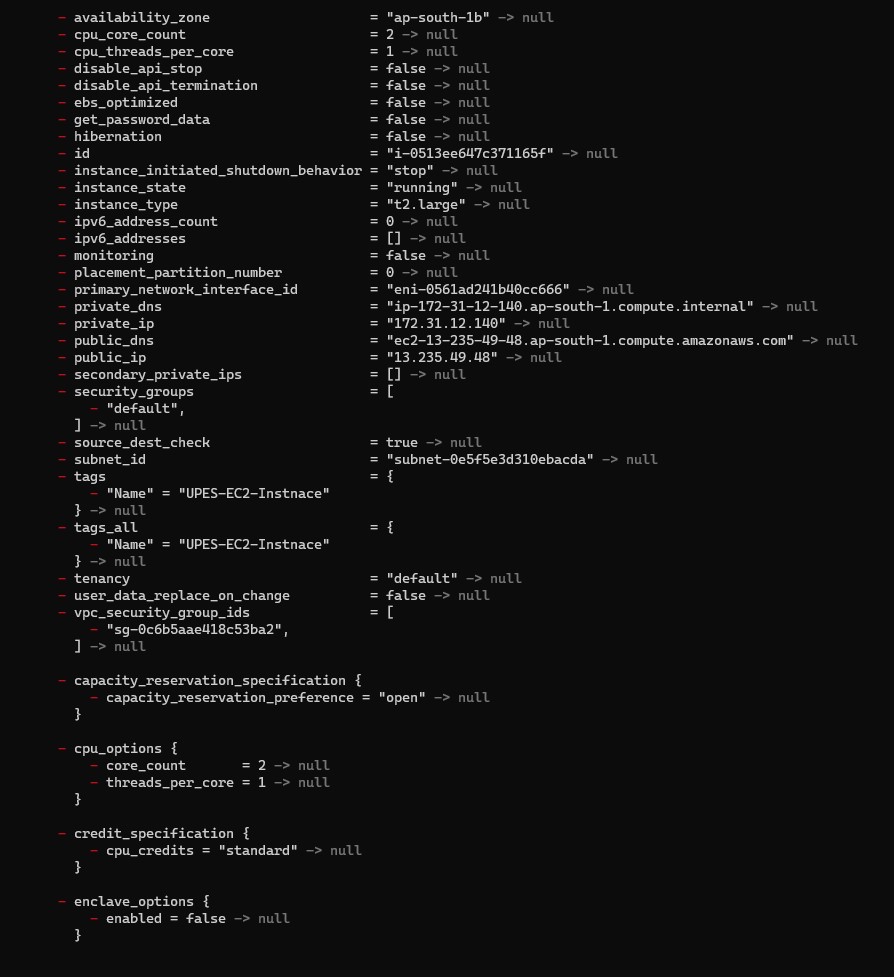


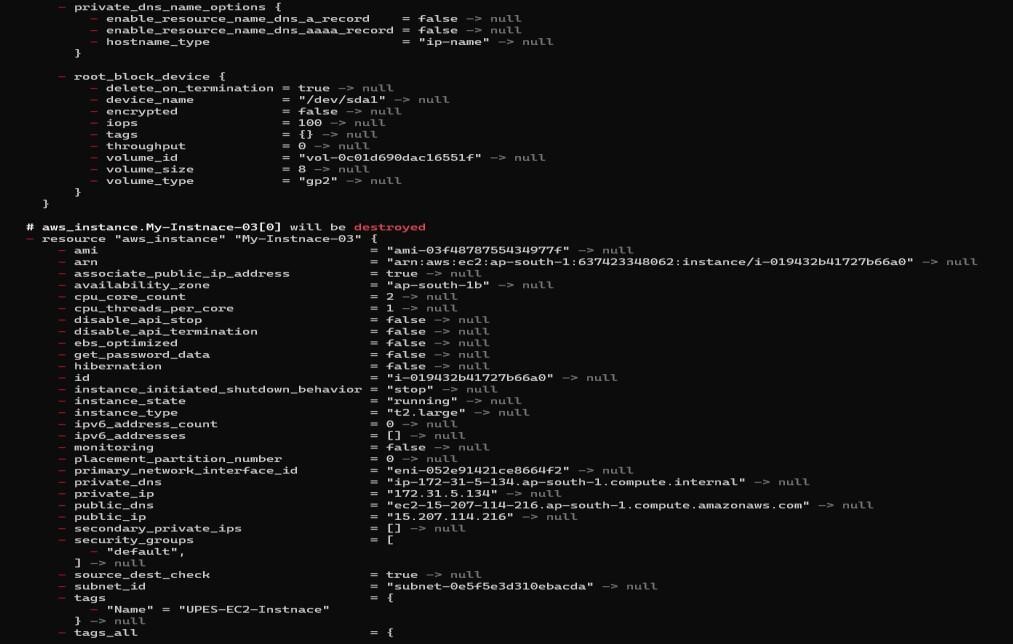


Step 4: Perform Terraform Destroy:

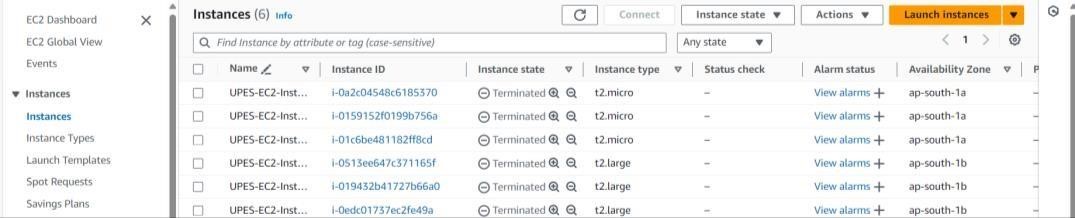








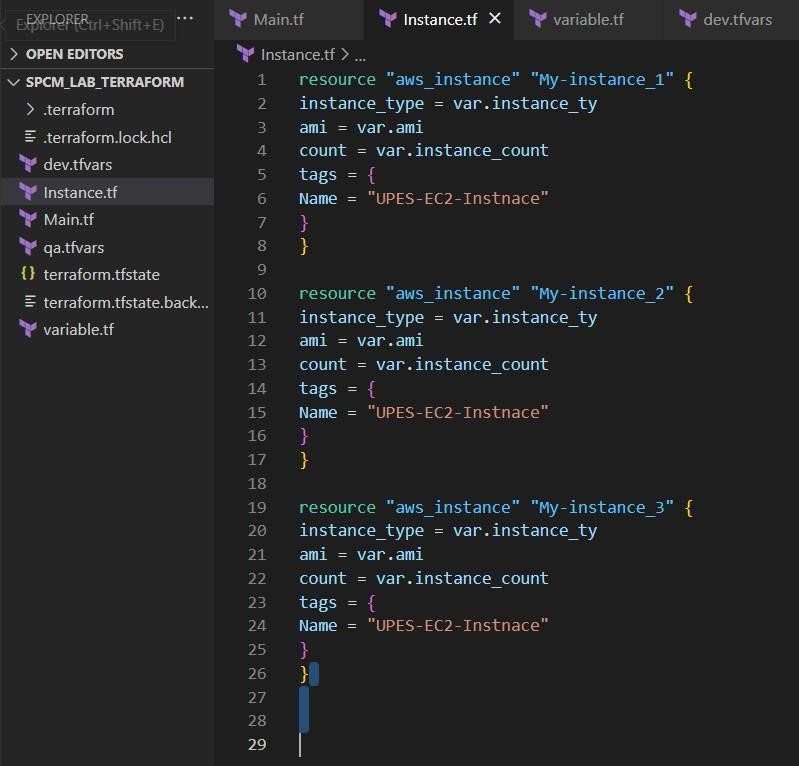




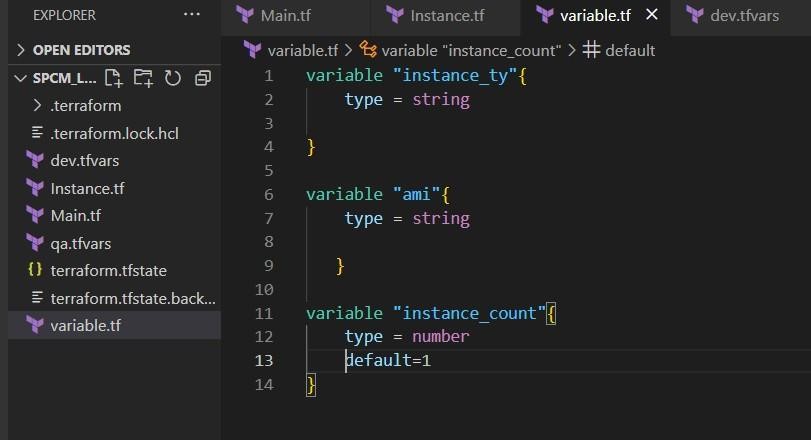
Lab Exercise 7– Creating Multiple IAM Users in Terraform

**Aim:** Terraform Multiple tfvars Files Objective:

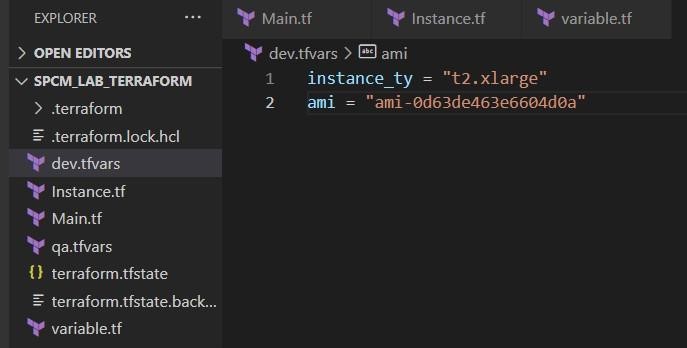
Step 1: Create a instance.tf file

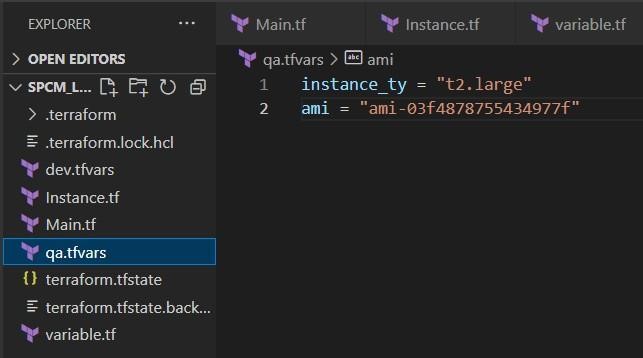


Step 2: Create a variable.tf file

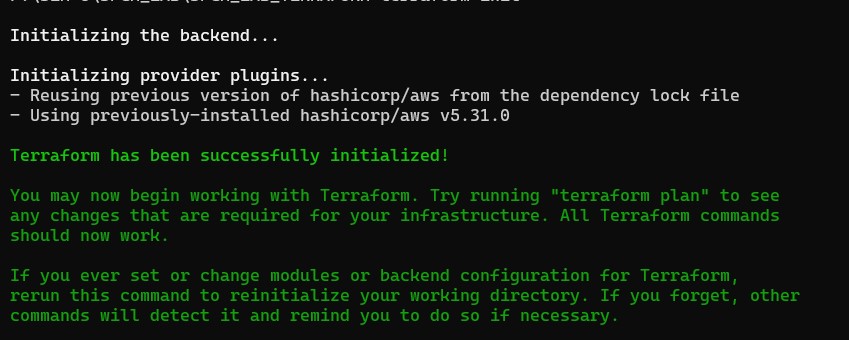


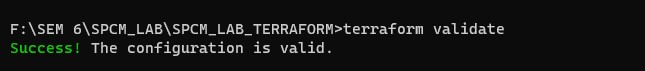
Step 3: Create Multiple tfvars Files: dev.tfvars

 qa.tfvars

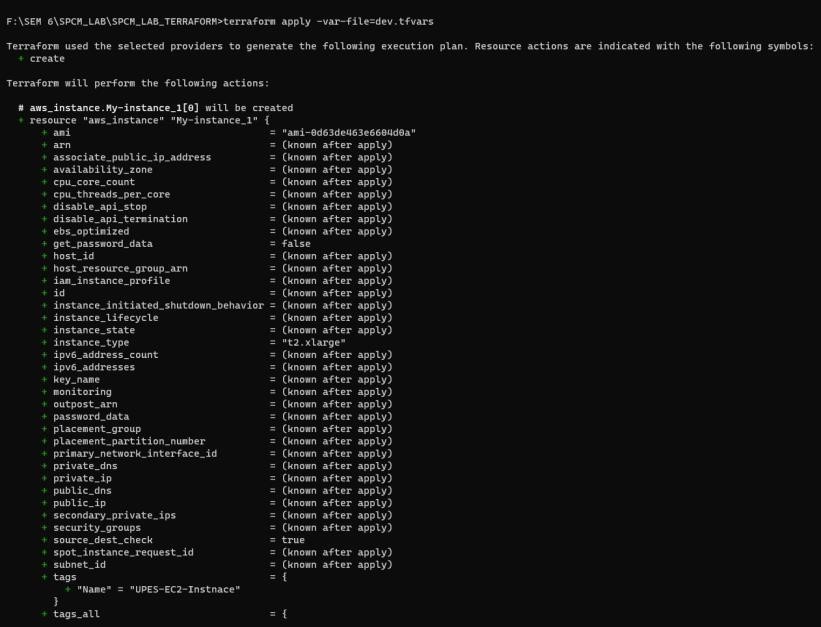


Step 4: Now initializes

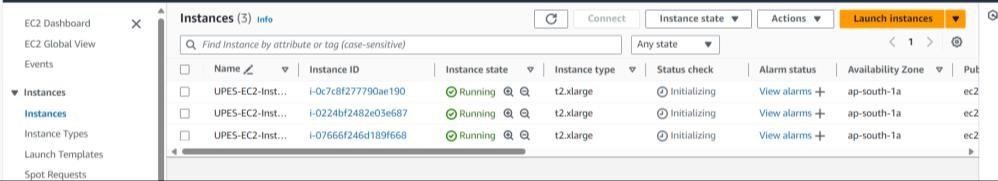
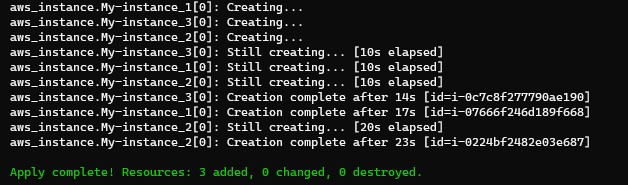




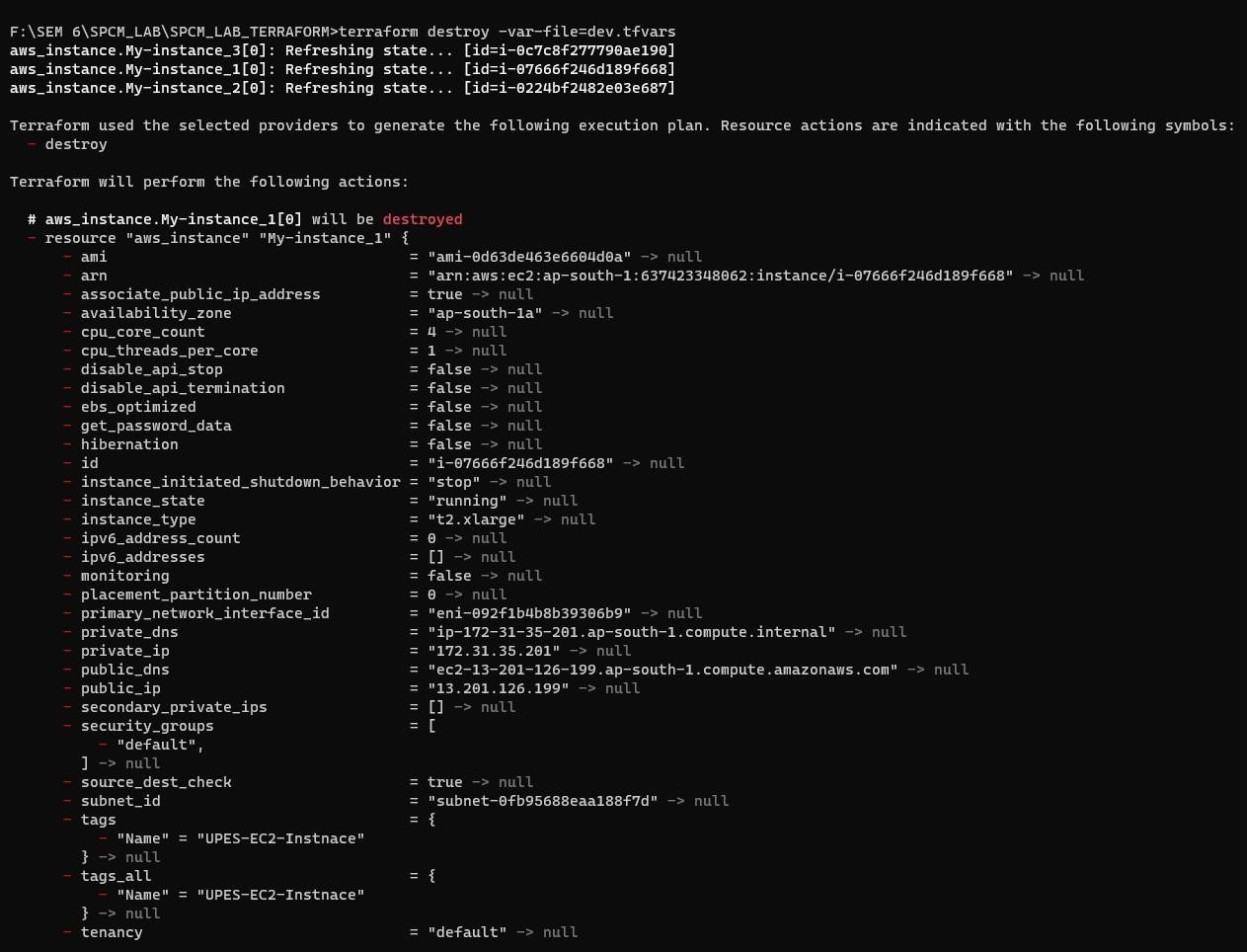
Step 5: Apply for Dev Environment



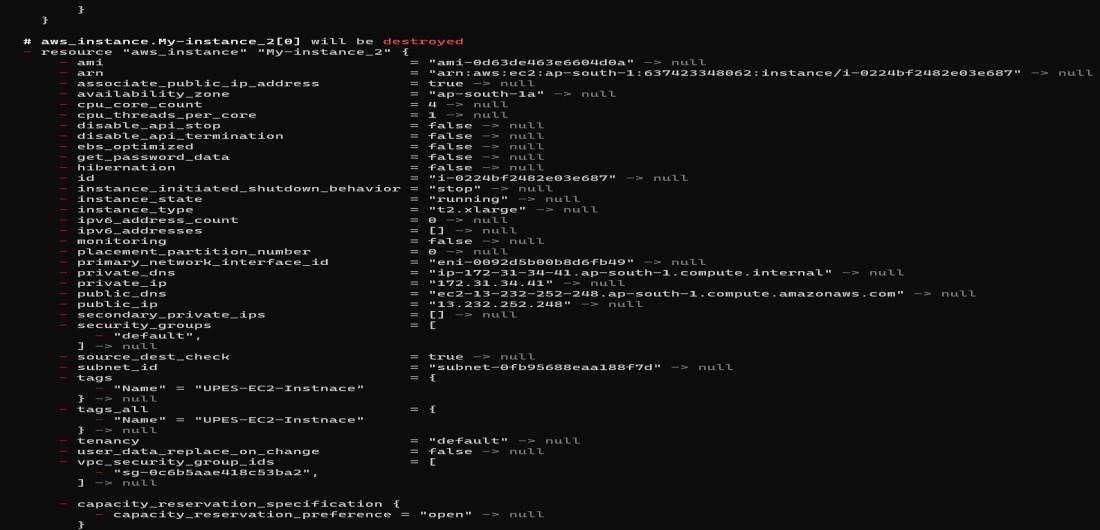




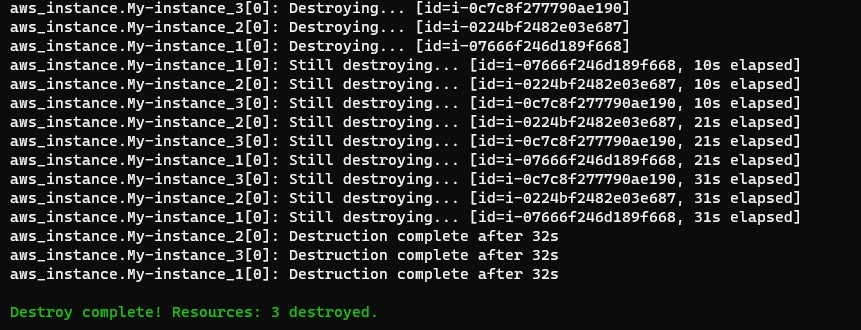
Step 6: Destroy Dev Environment





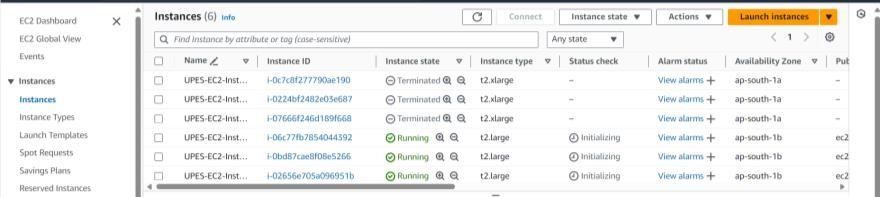
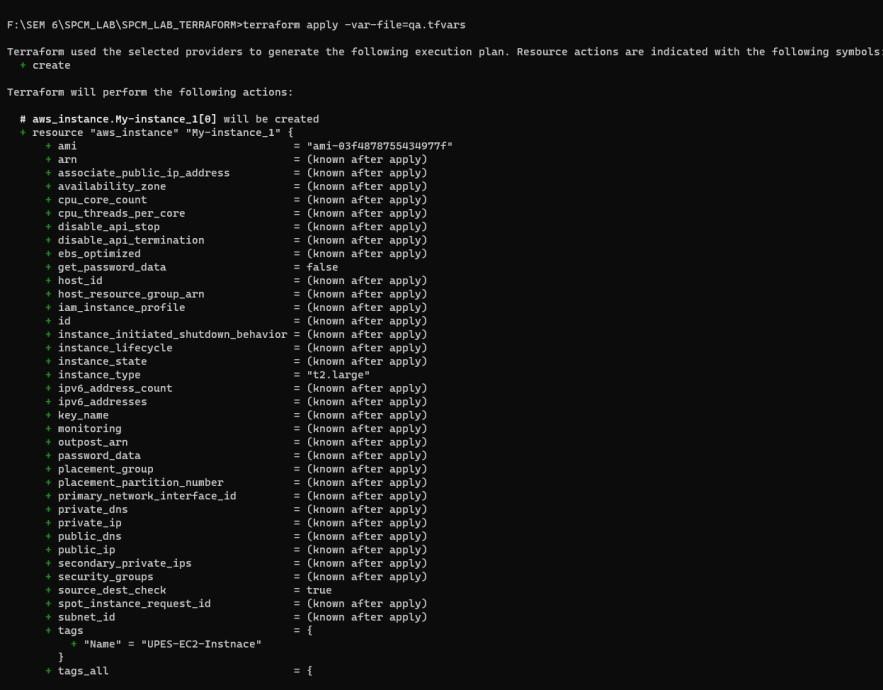




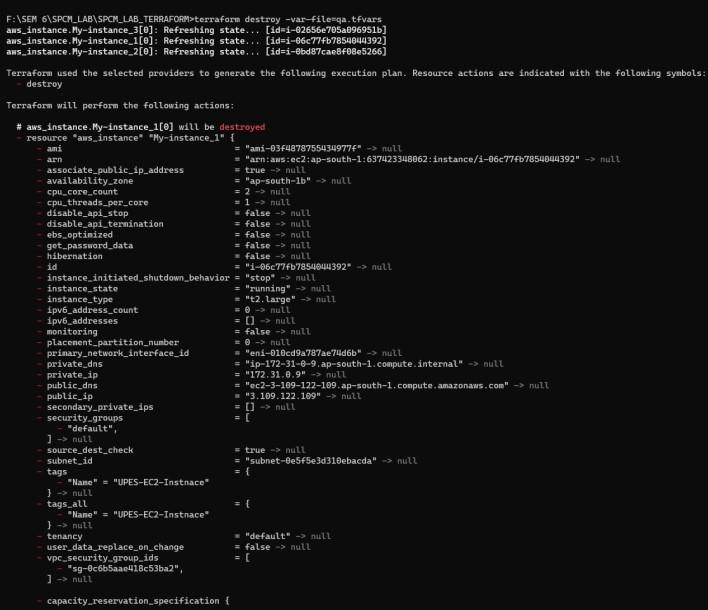




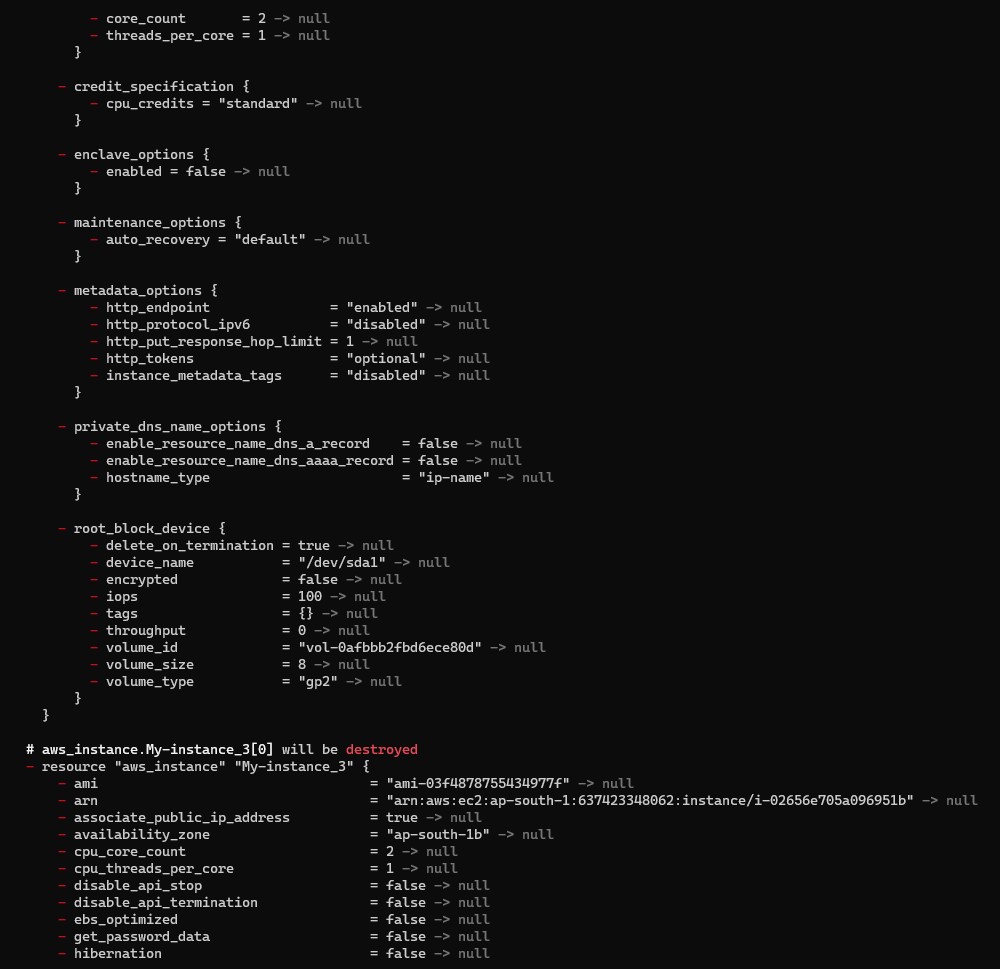
Step 7: Apply for Qa Environment

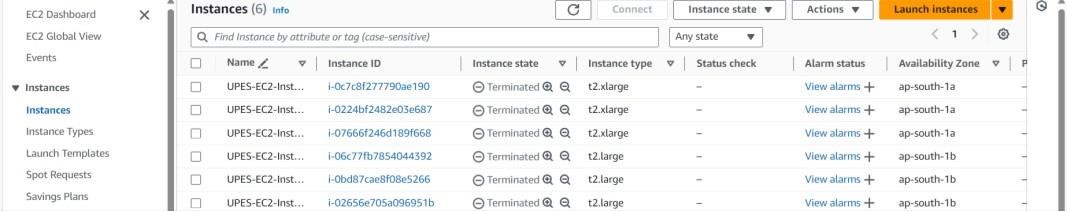


Step 8: Destroy for Qa Environment





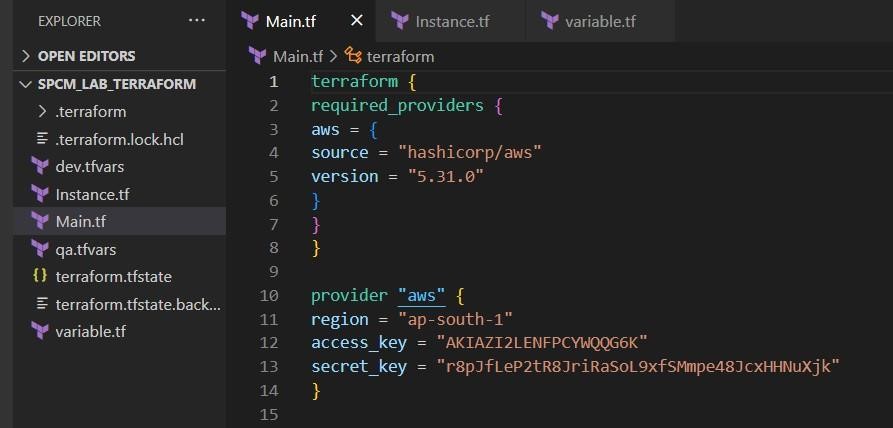




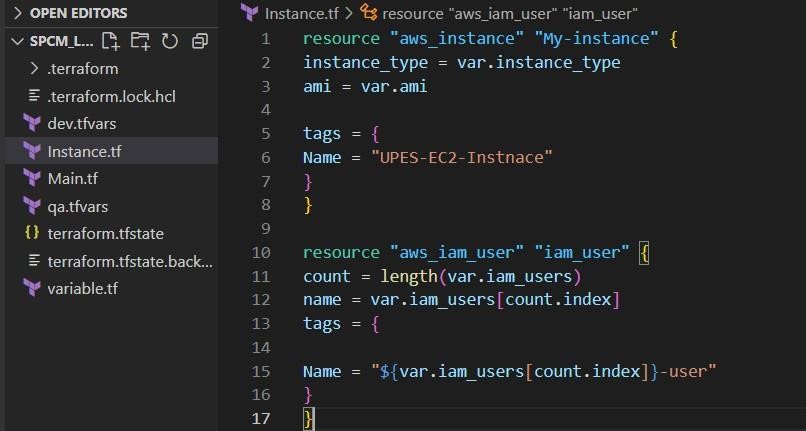
Lab Exercise 8– Creating a VPC in Terraform

**Aim:** Creating Multiple IAM Users in Terraform

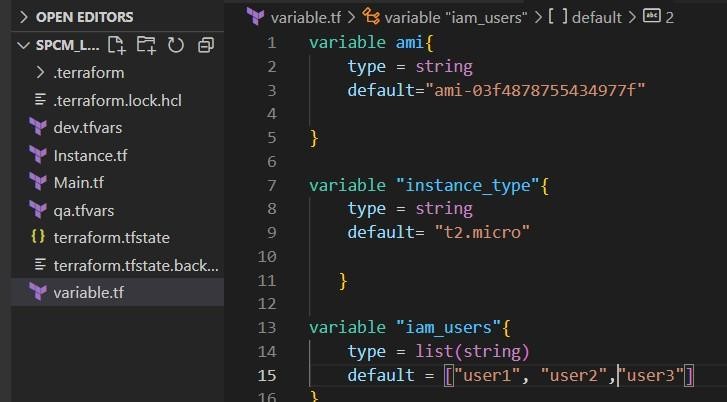
Step 1: Create a main.tf file.



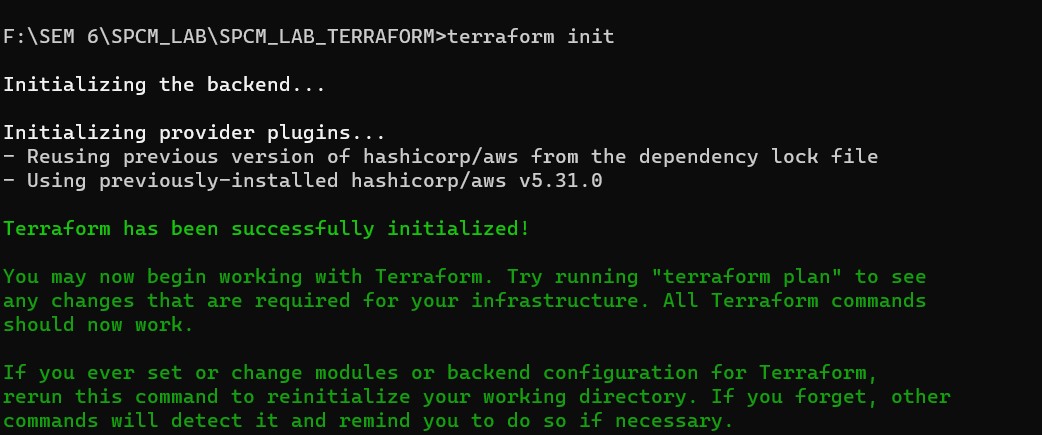
Step 2: Create a instance.tf file



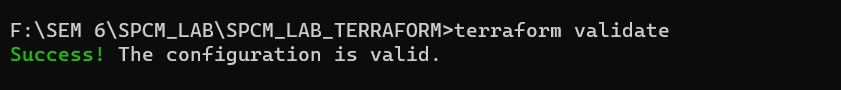
Step 3: Create a variable.tf file



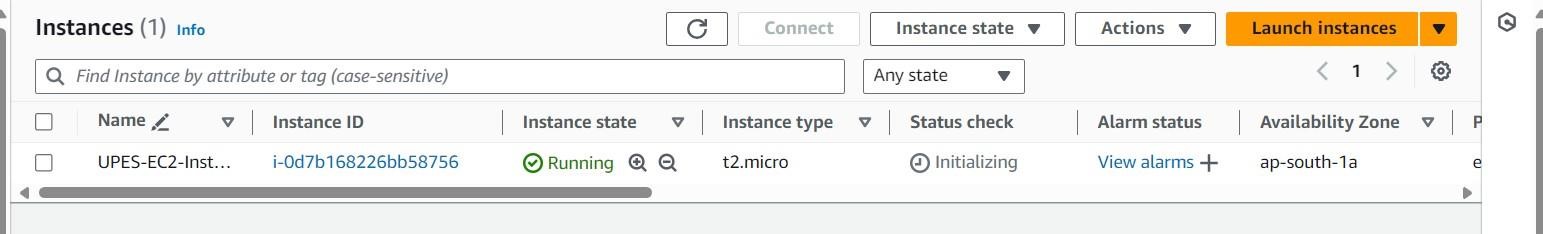
Step 4: Now initializes



Step 5: Now perform validate



Step 6: Now perform the terraform apply



Step 7: Now perform Terraform destroy

