

System Provisioning & Configuration Management

**ASSIGNMENT-1**

SUBMITTED BY:-

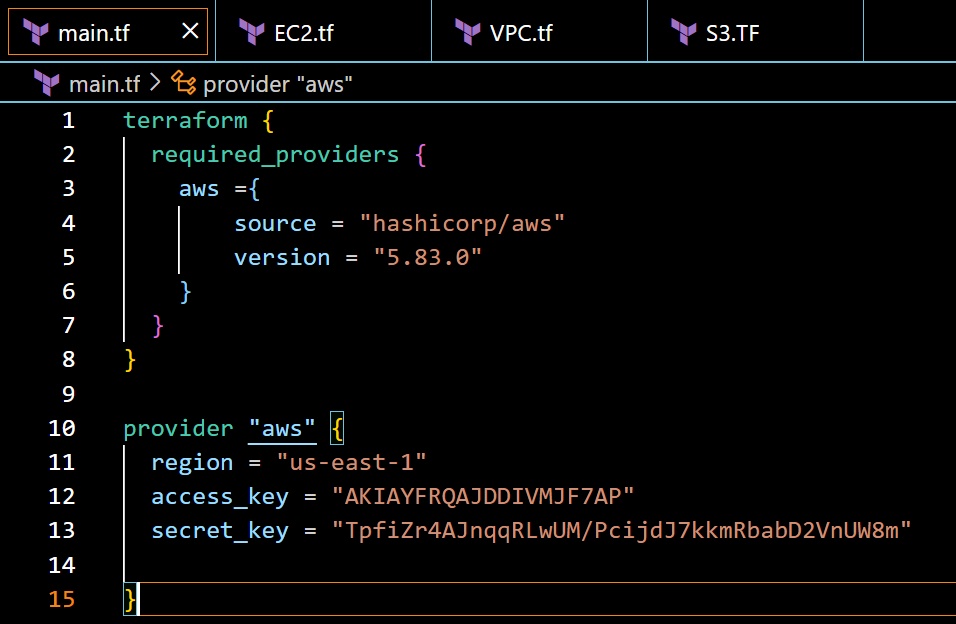
NAME: AARUSHI

SAP ID: 500105028

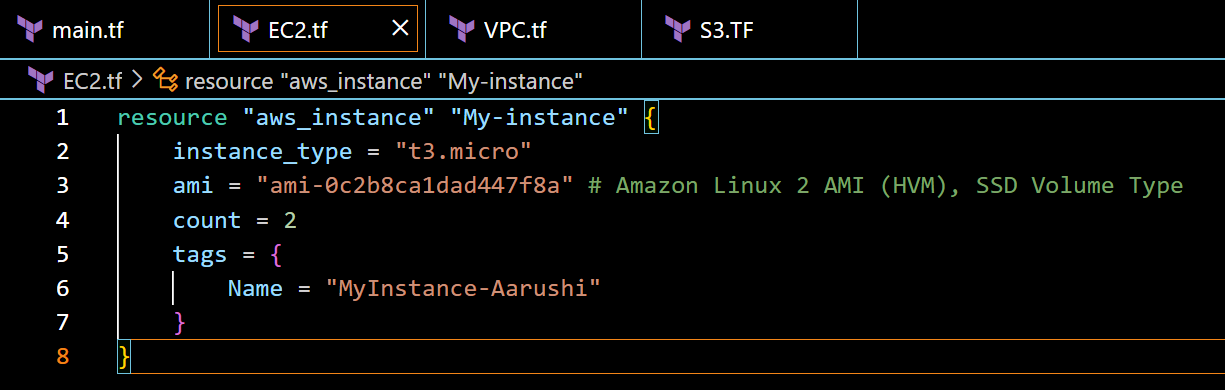
BATCH: 1 HONS. (DevOps) ROLL NO: R2142220004

**Write Terraform script to do perform following tasks on AWS cloud Platform**

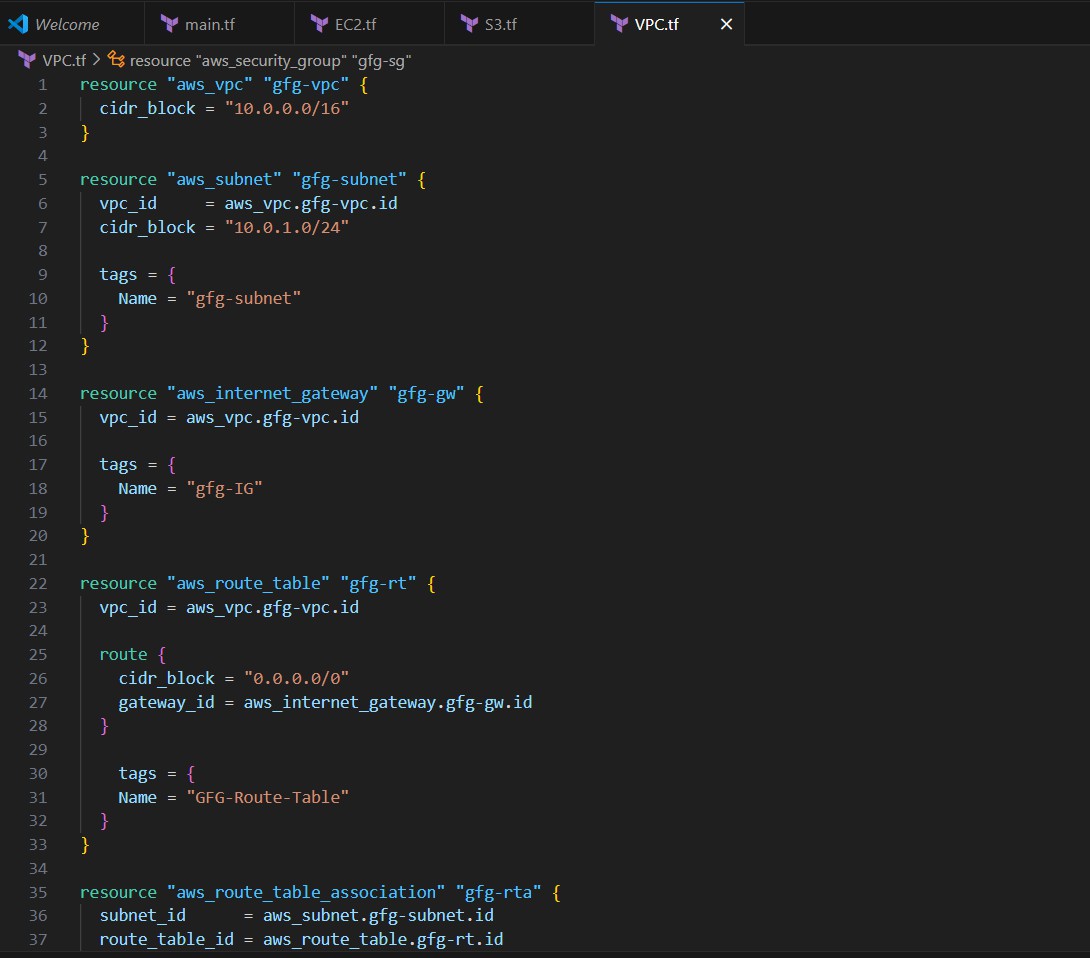
Step 1: Create Terraform Configuration File (main.tf):

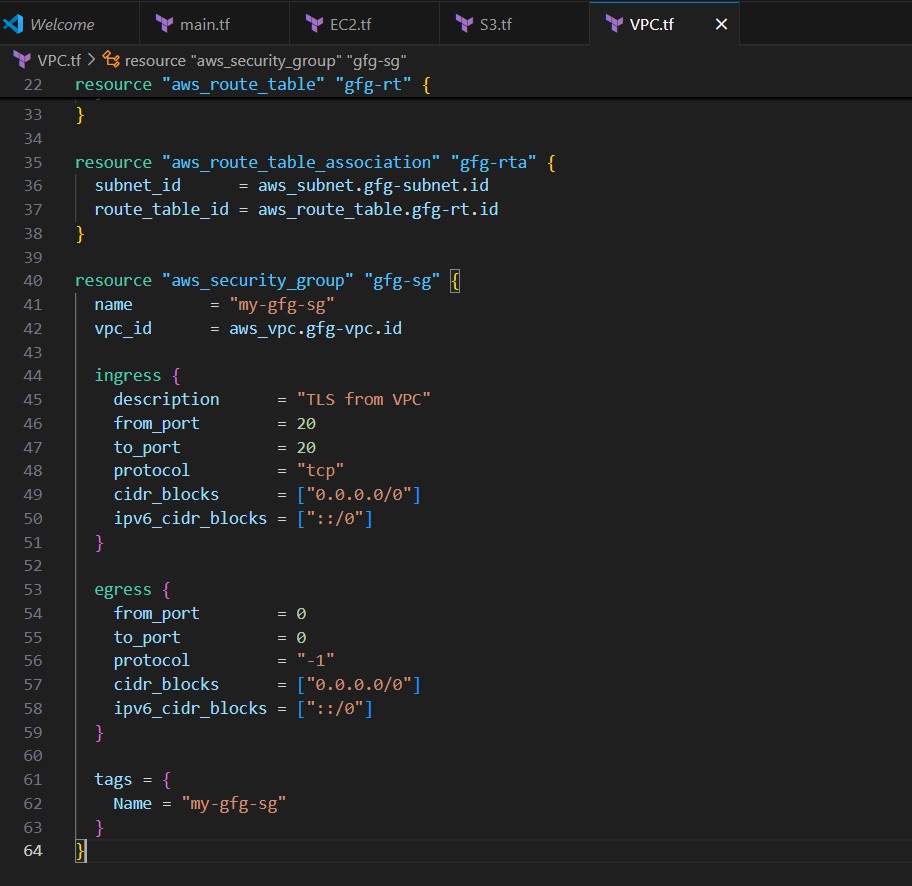


Step 2: To create two T3 Micro EC2 Instances create EC2.tf :

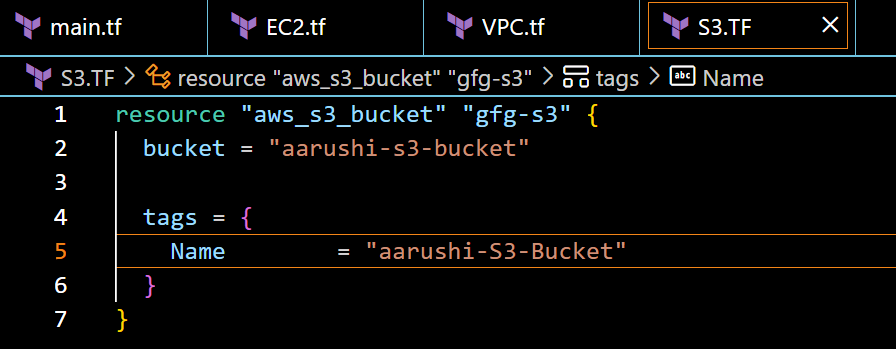


Step 3: To Create a VPC on AWS create VPC.tf :





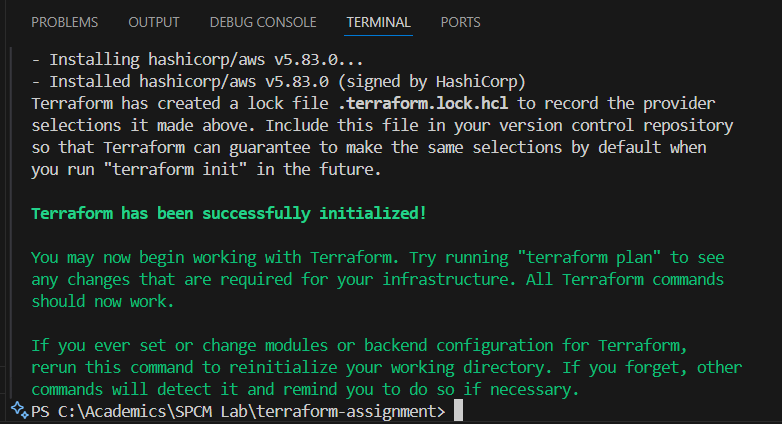
Step 4: To Create a S3 Bucket create S3.tf :



# Step 5: Initialize Terraform

Run the following command to initialize your Terraform working directory:

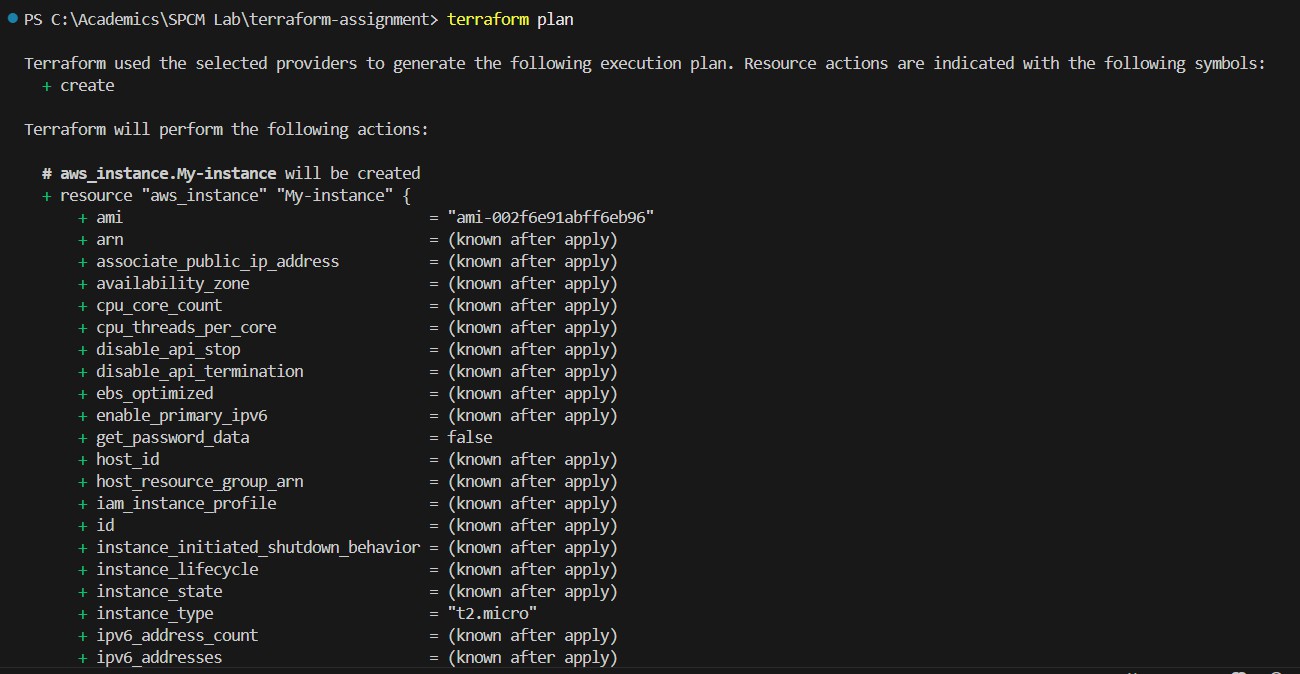
*terraform init*

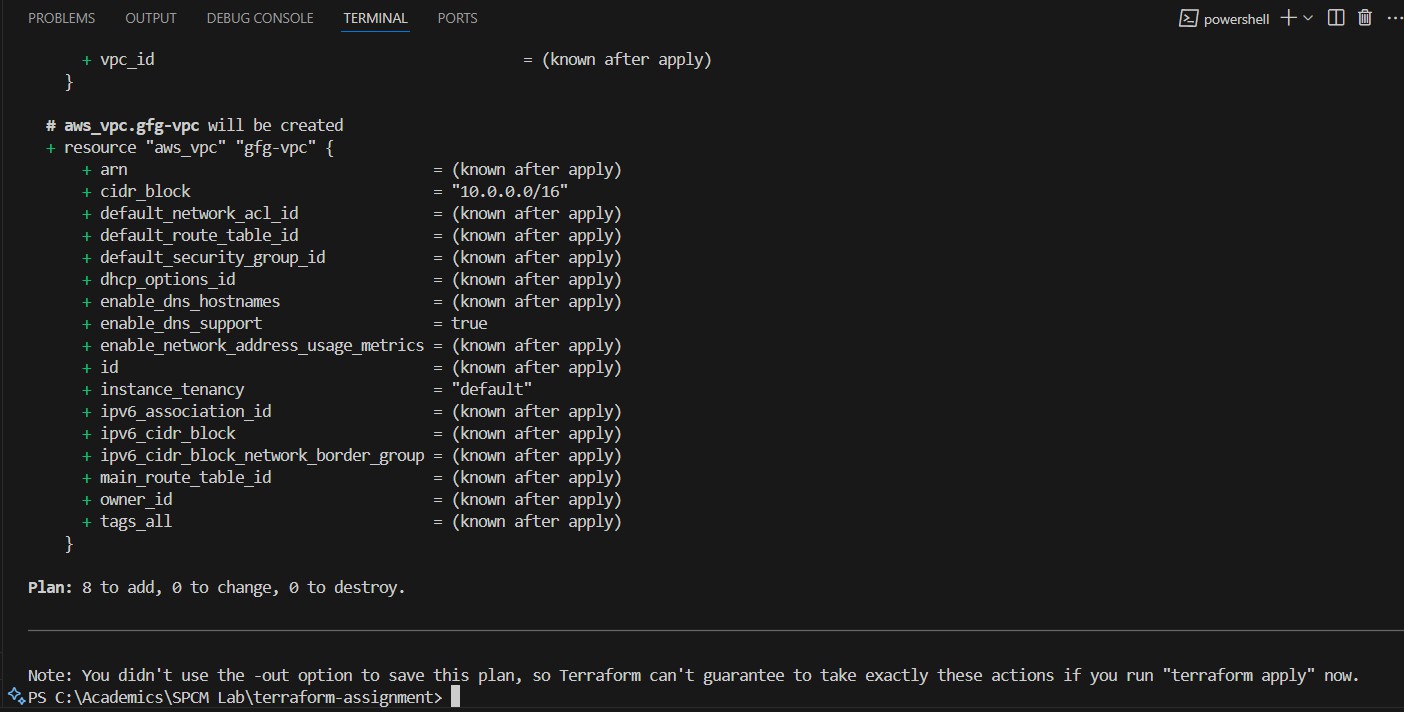
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# Step 6: Review Plan

Run the following command to see what Terraform will do:

*terraform plan*

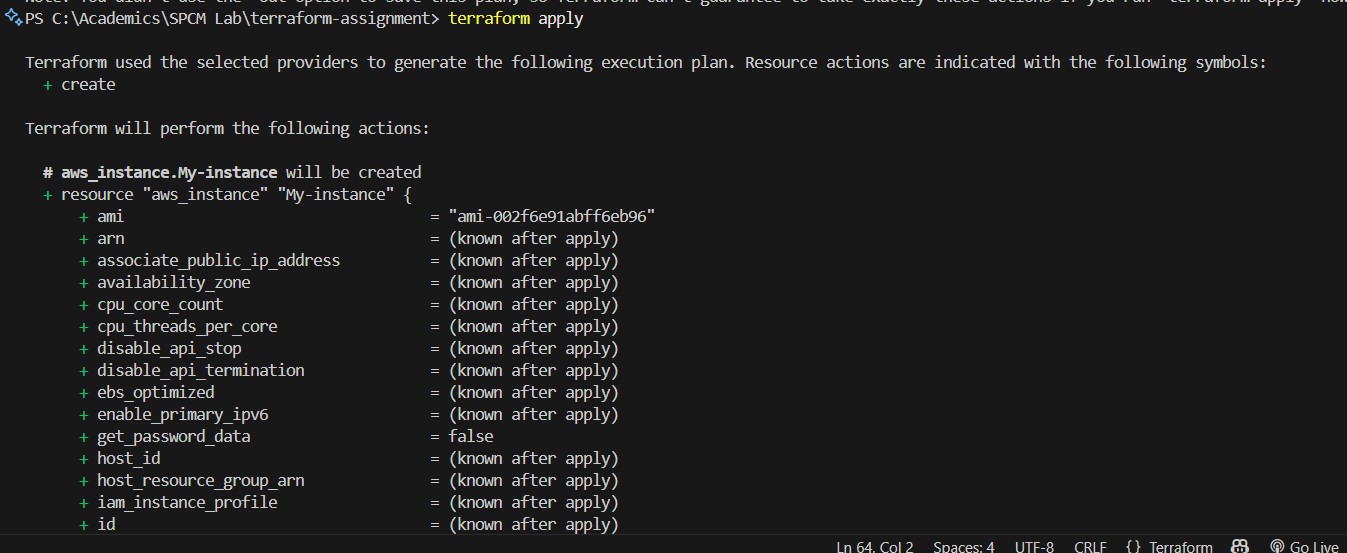




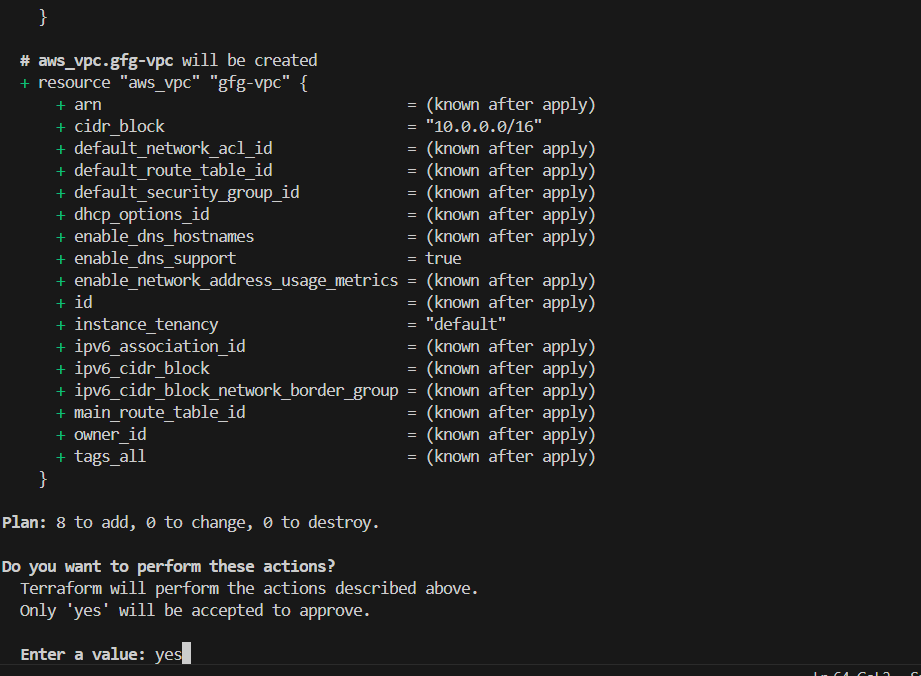
# Step 7: Apply Changes:

Apply the changes to create the AWS resources:

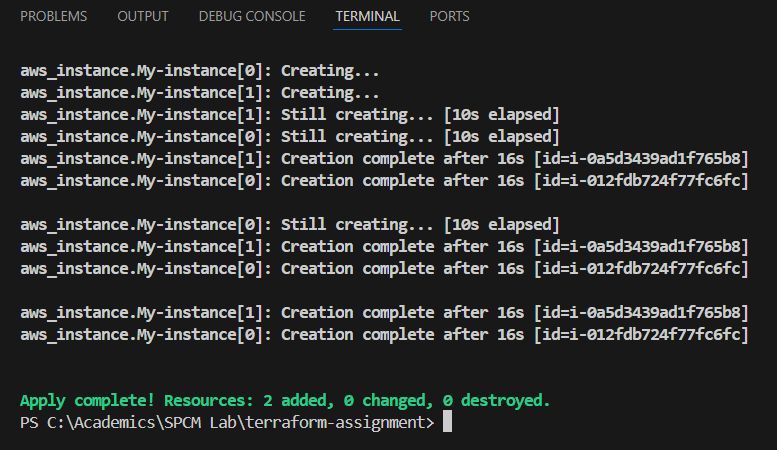
*terraform apply*

**

It will ask for approval before creating, enter “yes” to continue.



After approval, changes will be made



# Verification

Creation of 2 EC2 instances:



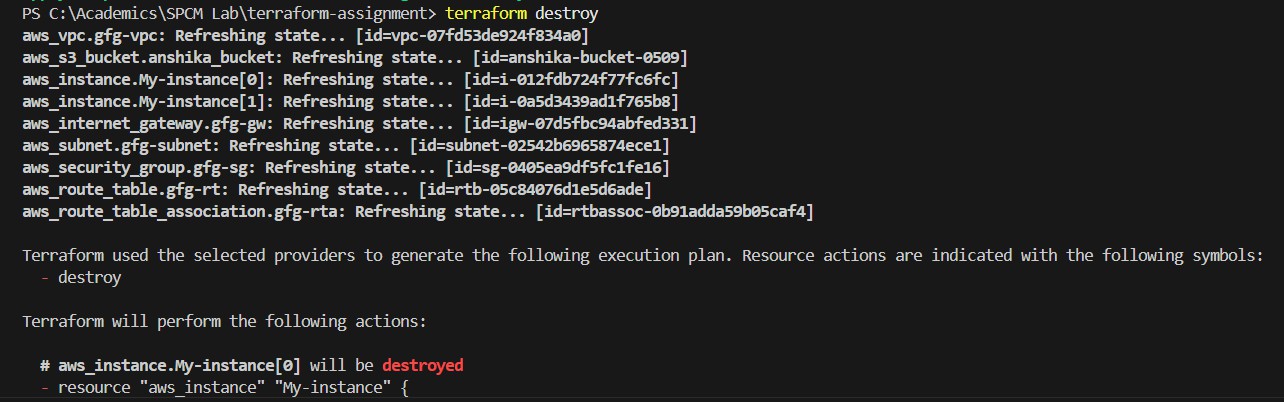
Creation of VPC:



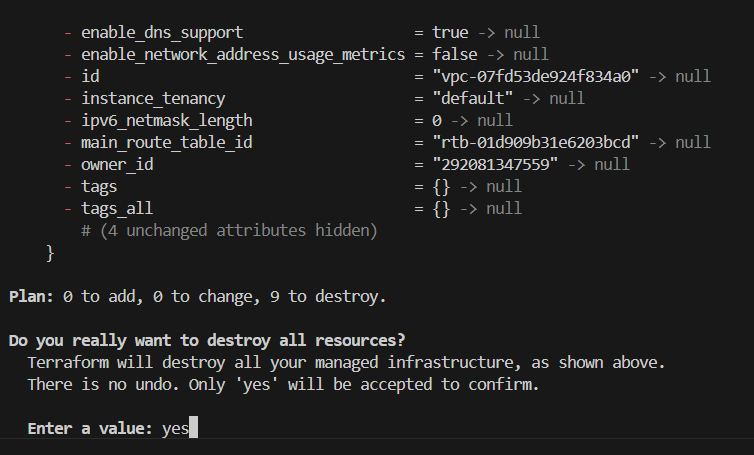
# Step 8: Cleanup Resources

When done experimenting, run the following command to destroy the created resources:

*terraform destroy*



It will ask for approval before destroying, enter “yes” to continue.



After approval, it starts destroying

