**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 Prakhar Gupta

B. Tech. CSE DevOps

[6h Semester]

Sap id- 500093012

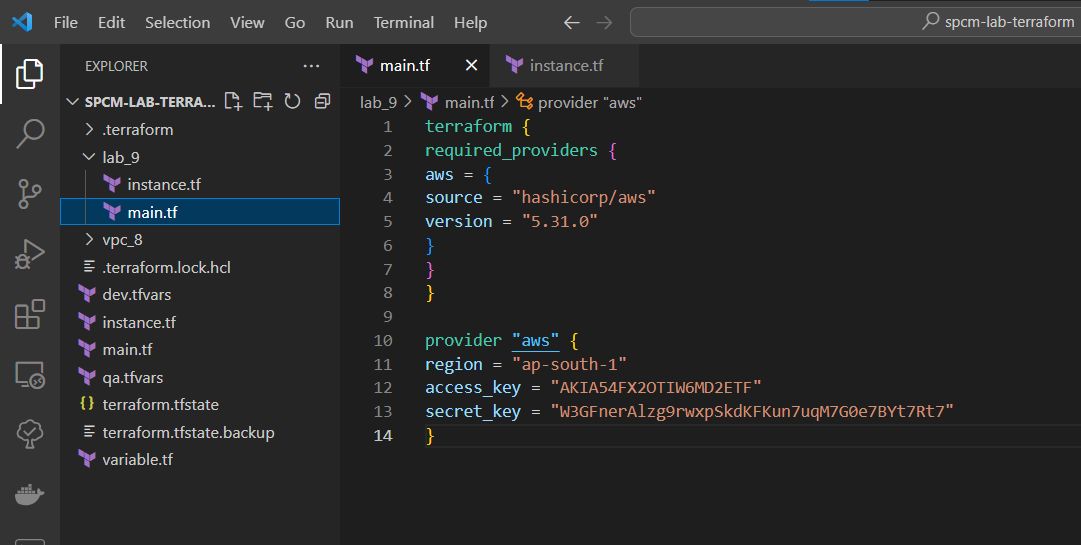
Batch 2

R2142210572

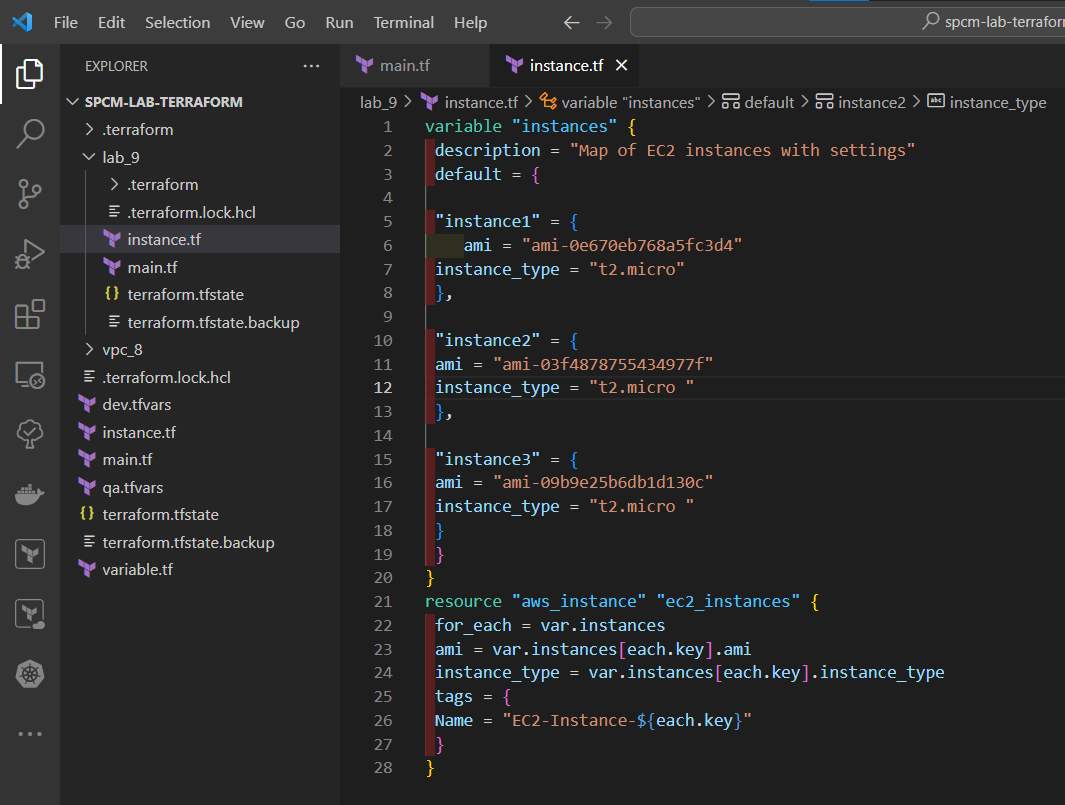
**LAB EXERCISE 9**

**Aim: Creating Multiple EC2 Instances with for each in Terraform**

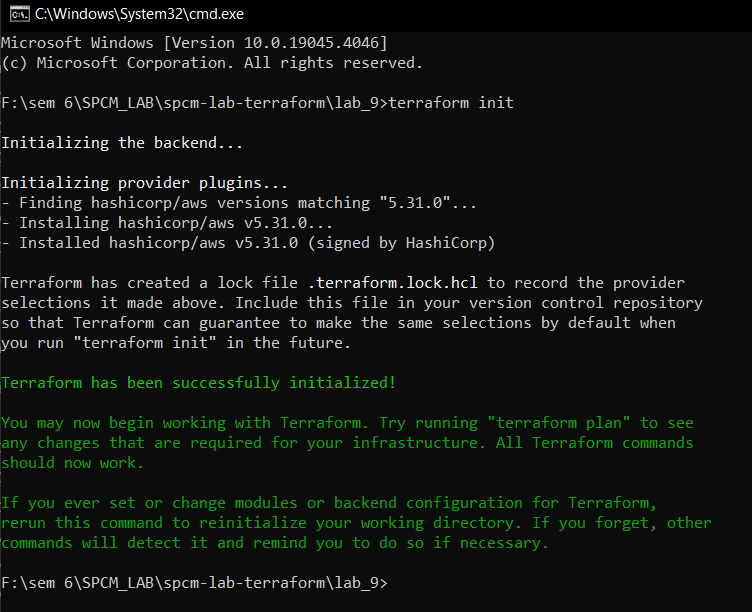
Step 1: Create a main.tf file



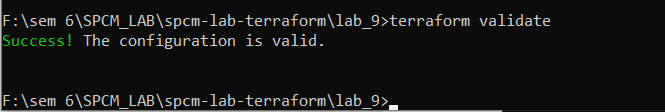
Step 2: Create a instance.tf file



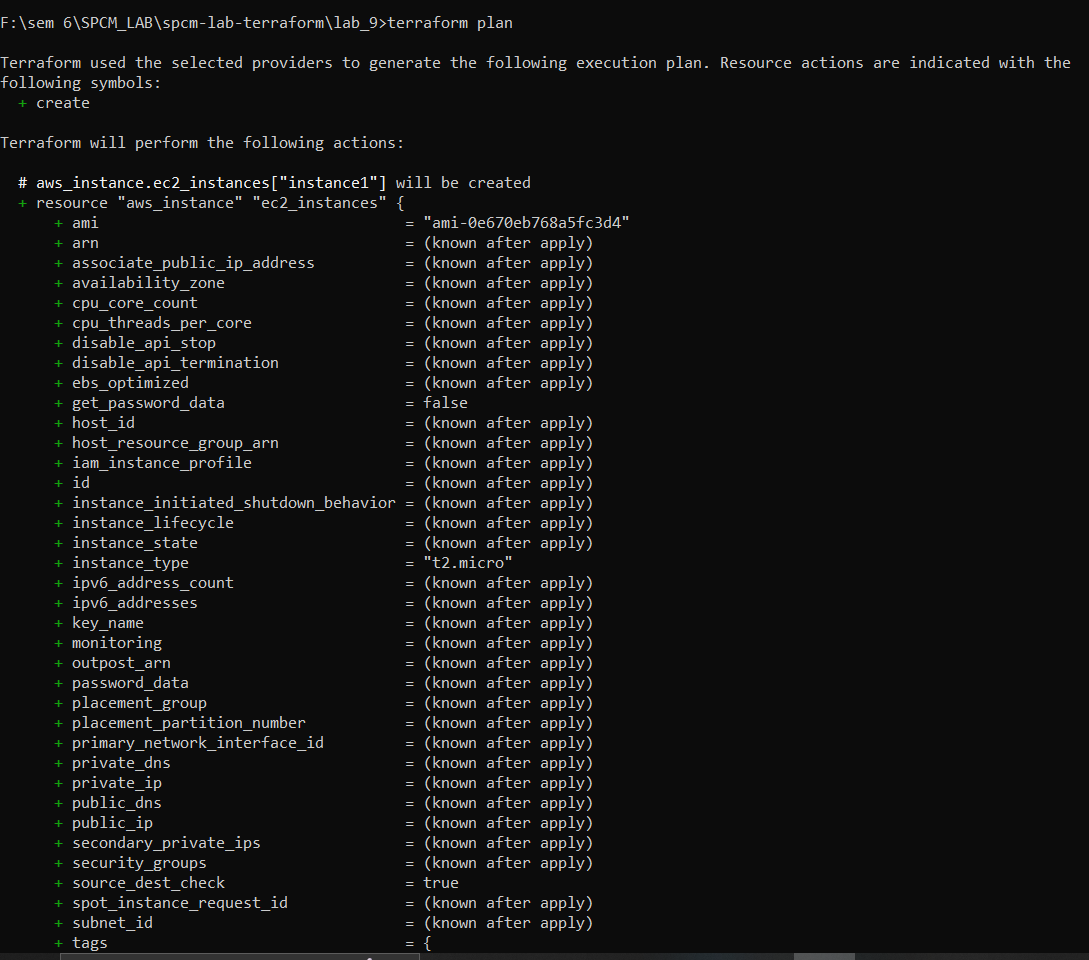
Step 3: Now run terraform init command to Initialize.

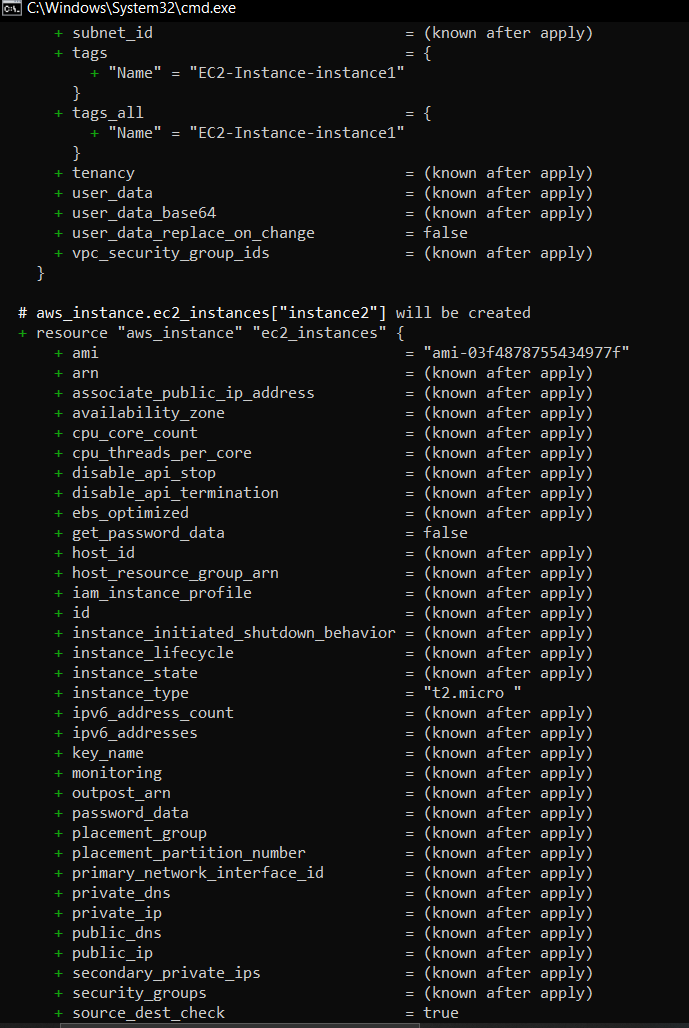


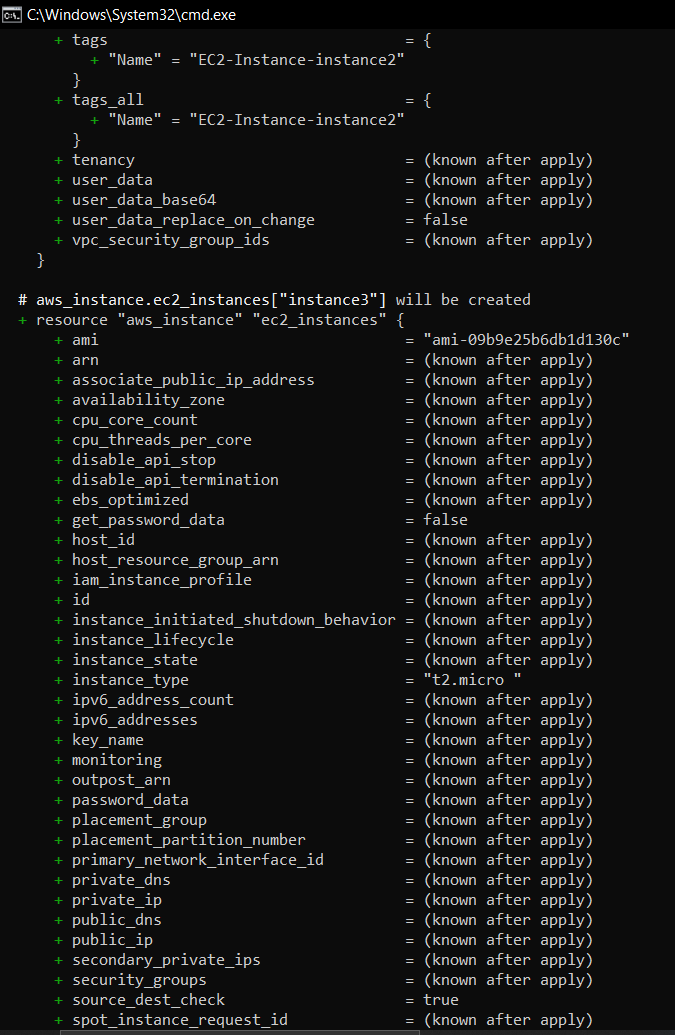
Step 4: Now run the terraform validate command to check if any error is present or not.

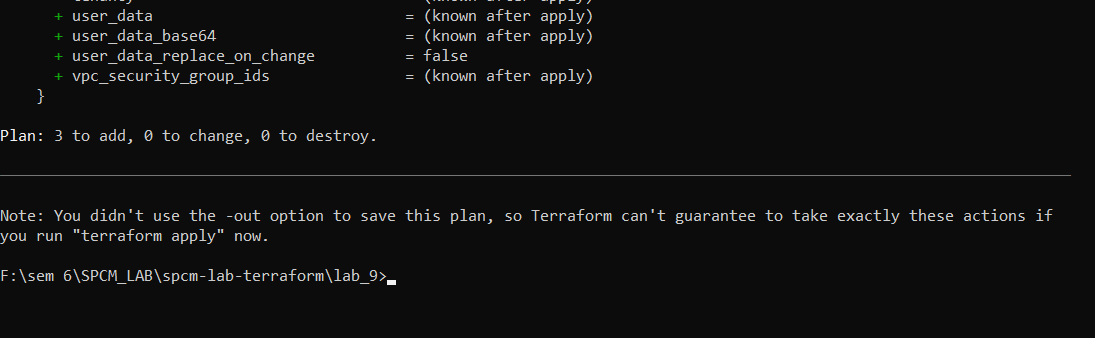


Step 5: Now run terraform plan command.





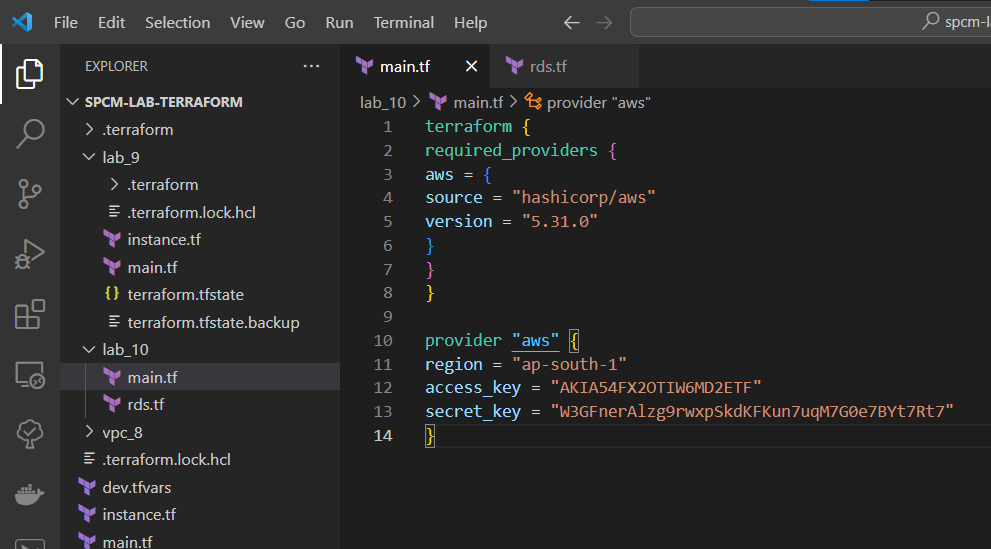




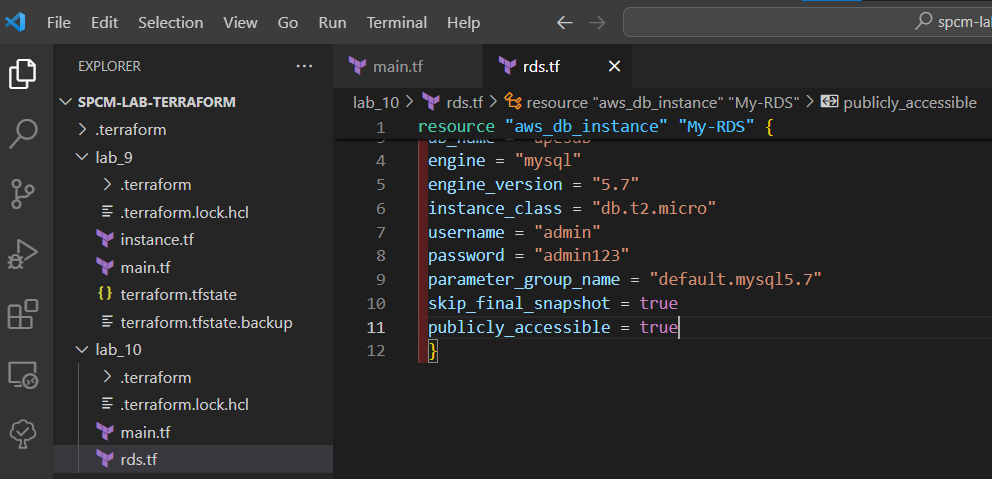
**LAB EXERCISE 10**

**Aim: Creating an AWS RDS Instance in Terraform**

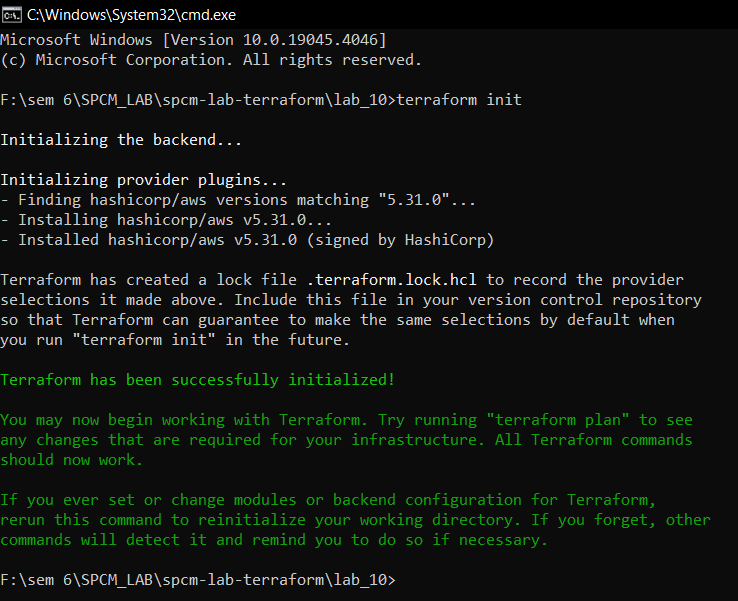
Step 1: Create a main.tf file



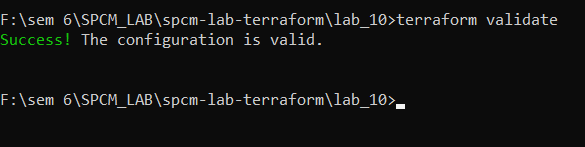
Step 2: Create a rds.tf file



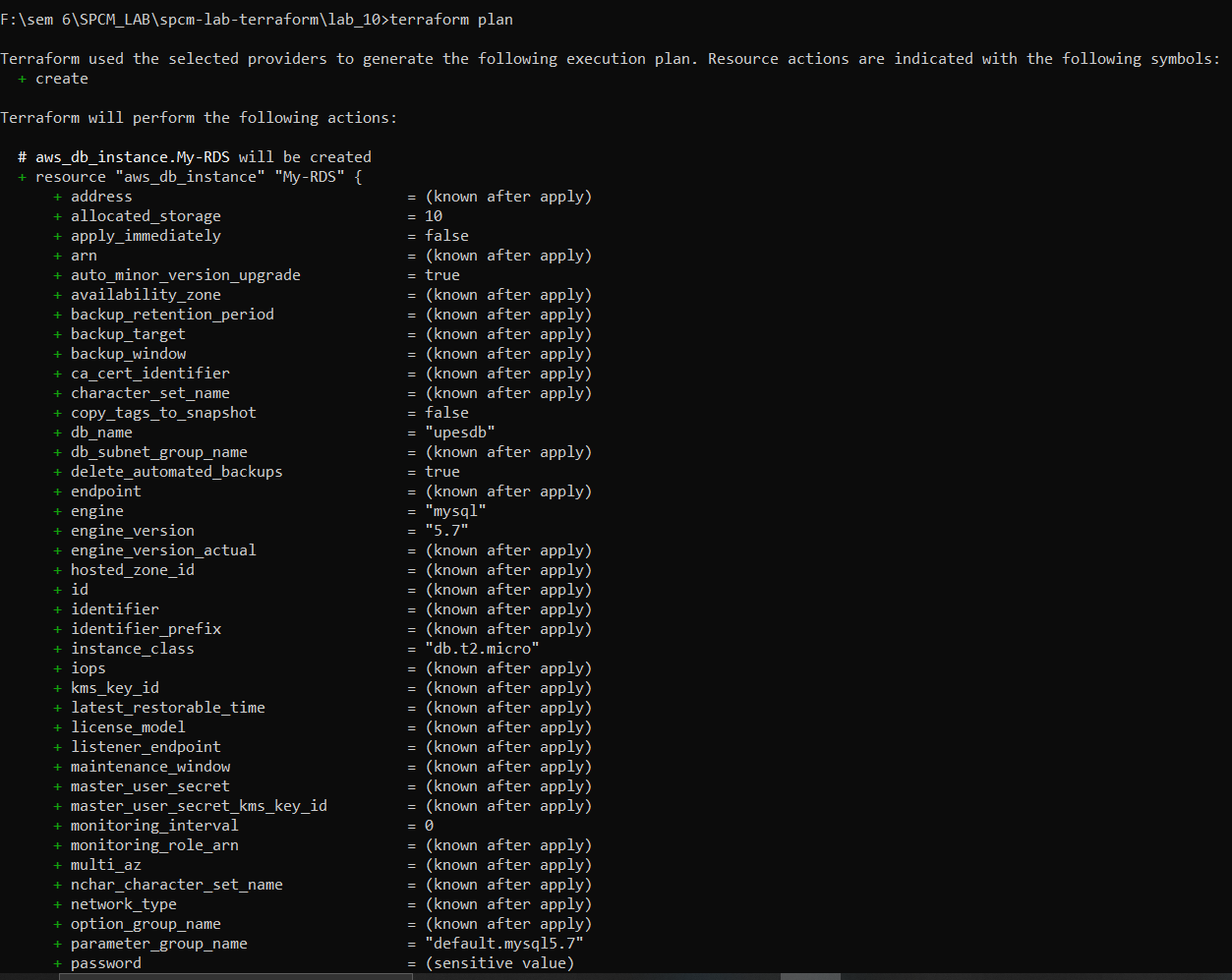
Step 3: Now run terraform init command to Initialize.

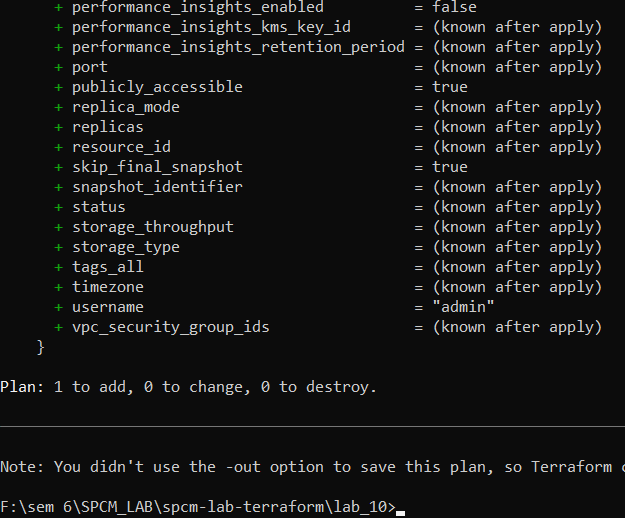


Step 4: Now run the terraform validate command to check if any error is present or not.

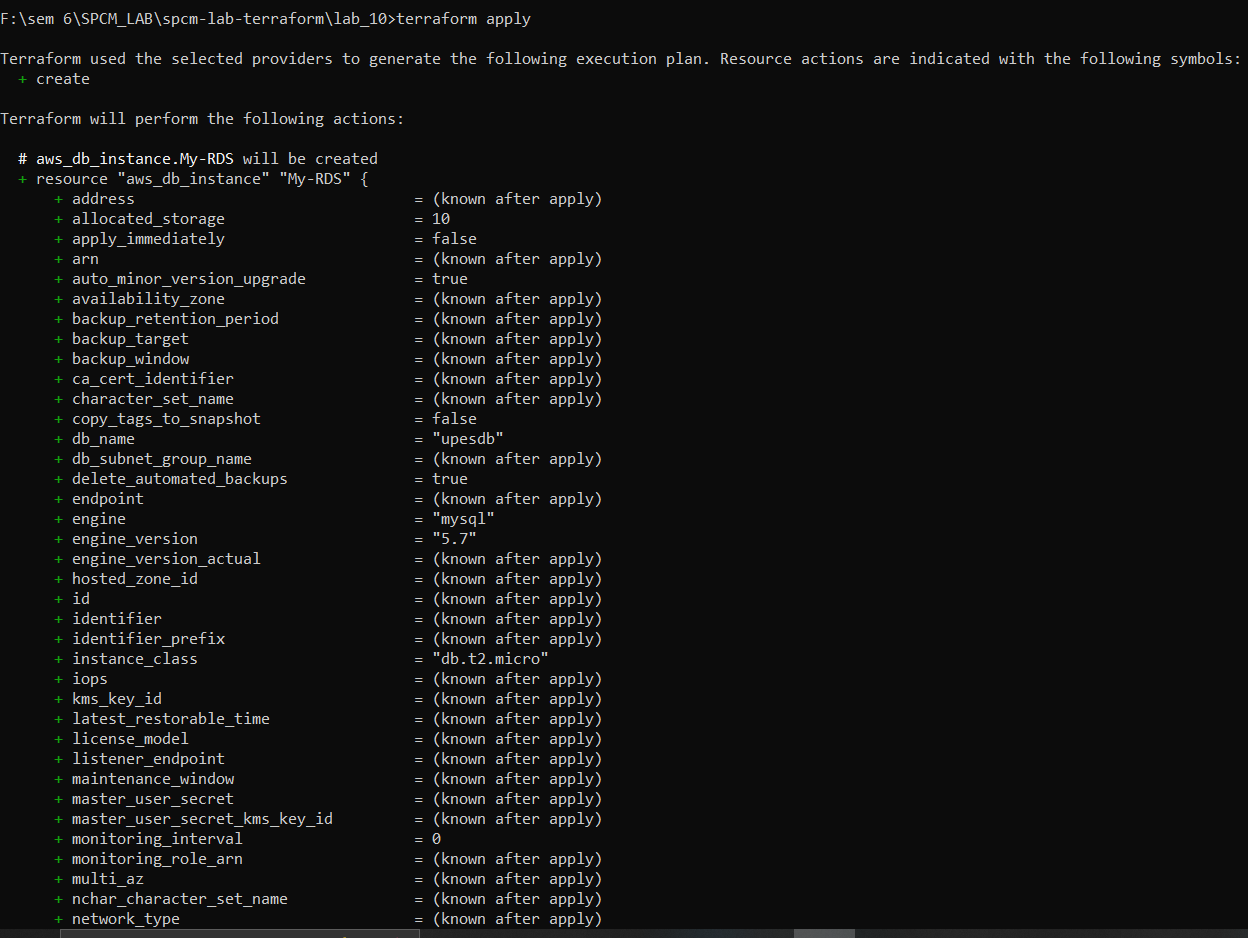


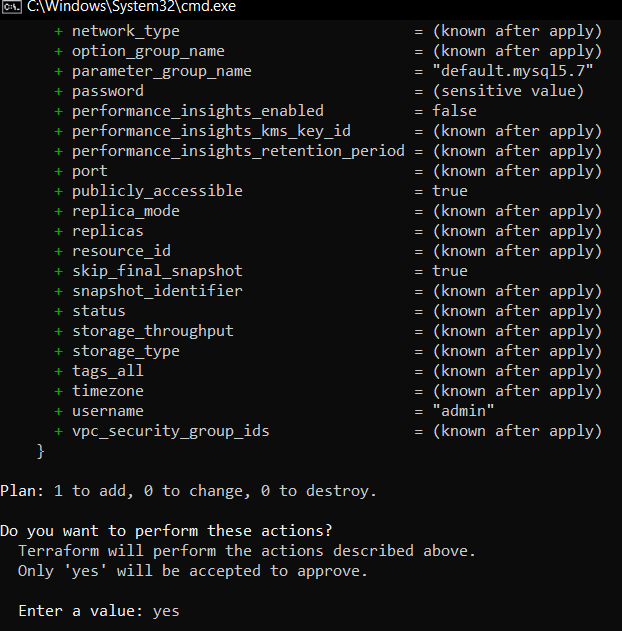
Step 5: Now run terraform plan command.

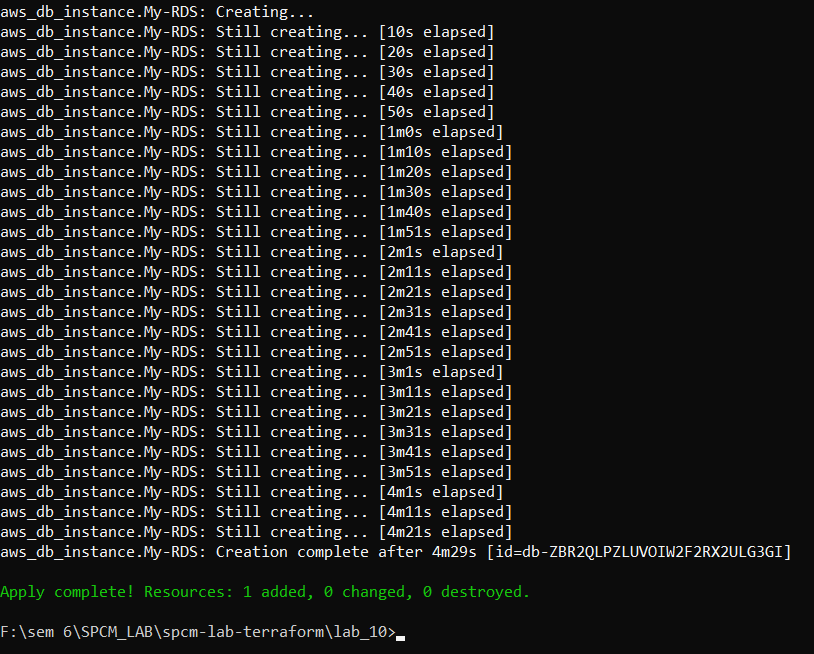




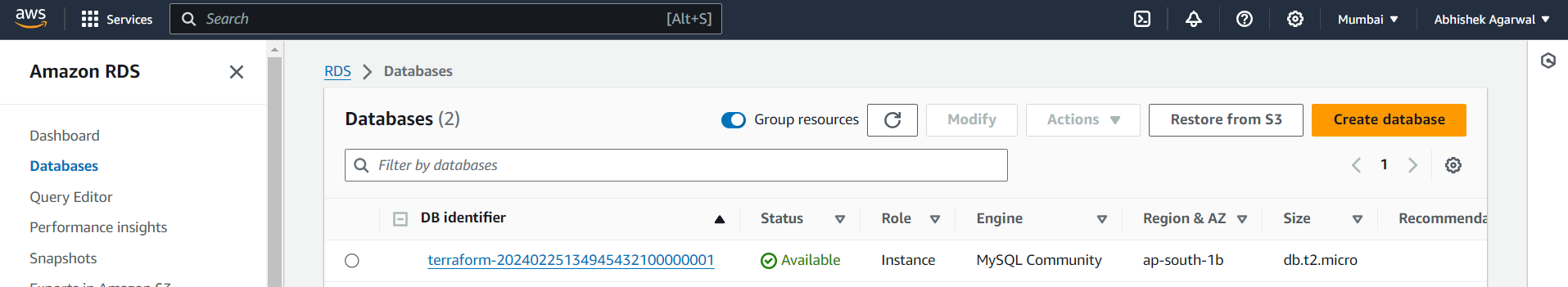
Step 6: Now run the terraform apply command to apply the rds.

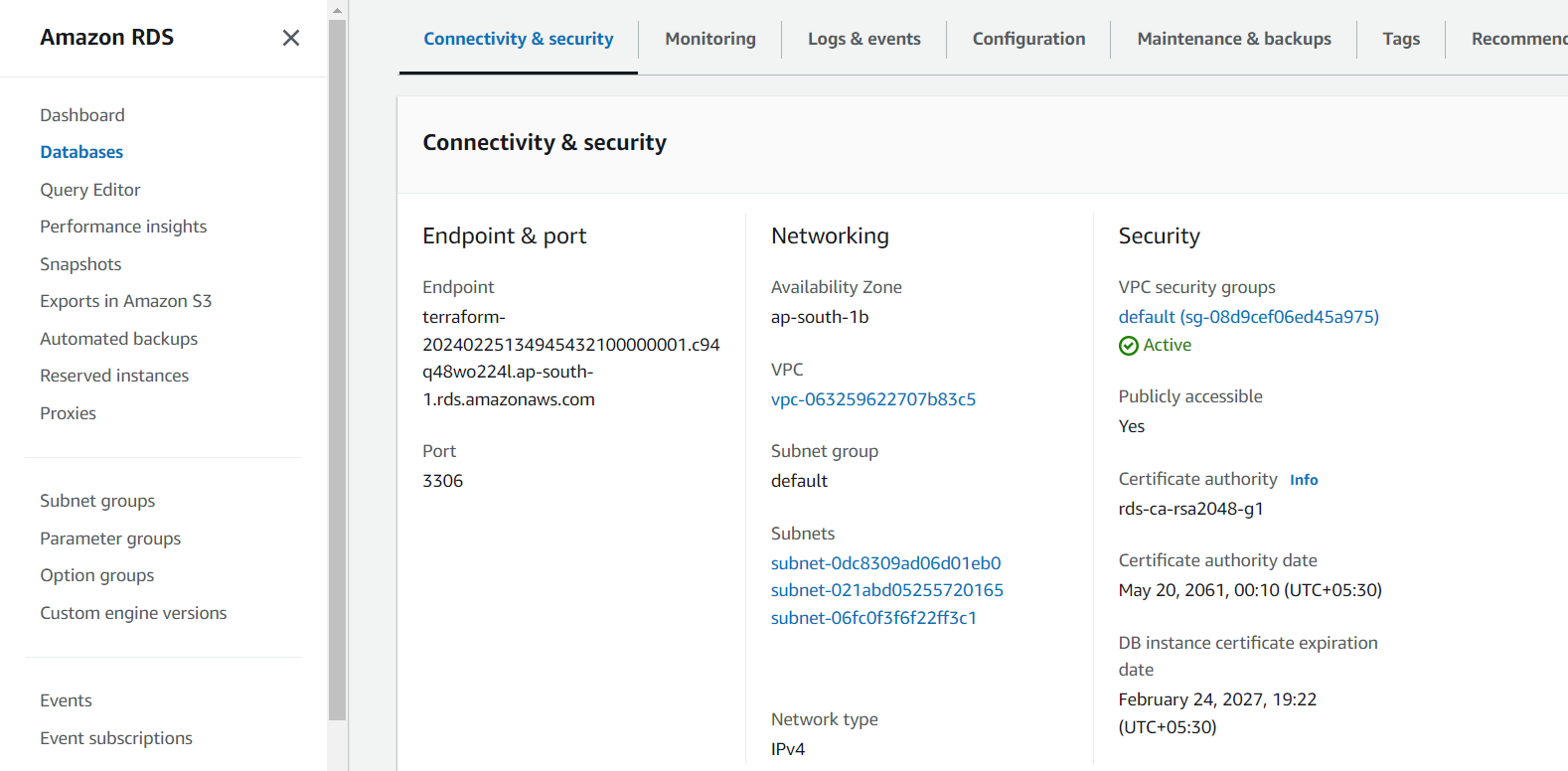




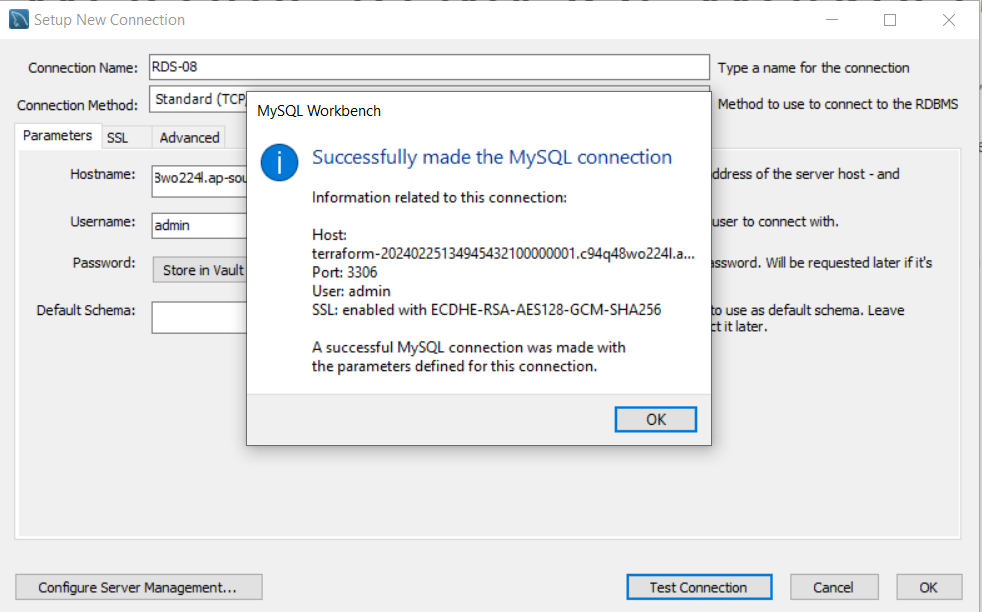


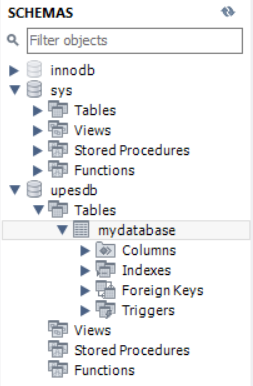
Step 7: Verify the RDS Instance in AWS Console.





Step 8: Connect To MYSQL Workbench.





Step 9: Now Destroying the rds created.

