Academic Year: 2025-26

Semester: V

Class / Branch/ Div: TEIT C

**Subject: ADL Lab** 

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Student ID:23104134

Roll No. 43

Date of Submission: 12/09/25

## **Experiment No: 6**

Aim: To Build, change, and destroy AWS infrastructure Using Terraform.

Software Used: Ubuntu ami-02d26659fd82cf299

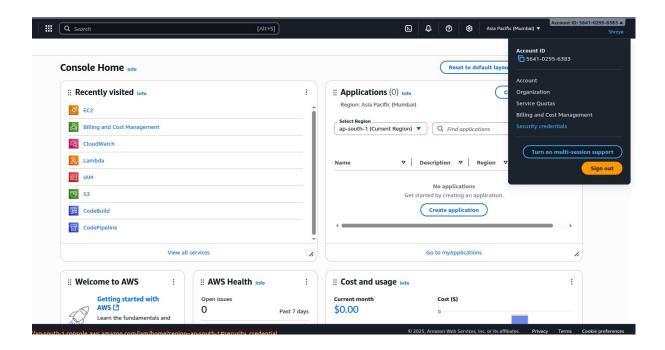
### **Code & Output:**

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ sudo apt-get install curl
[sudo] password for apsit:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
```



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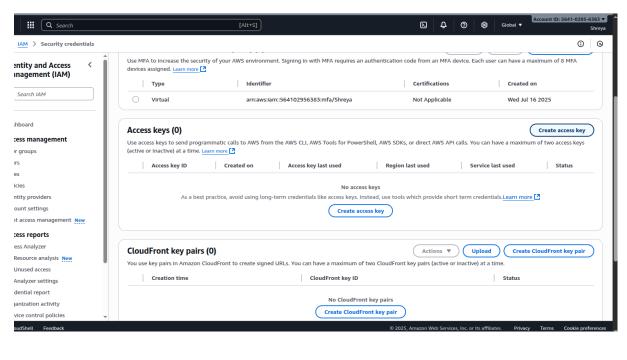
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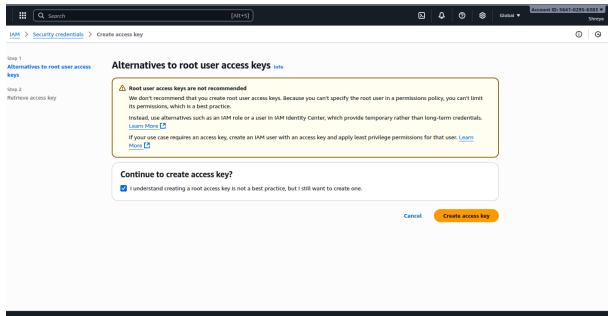




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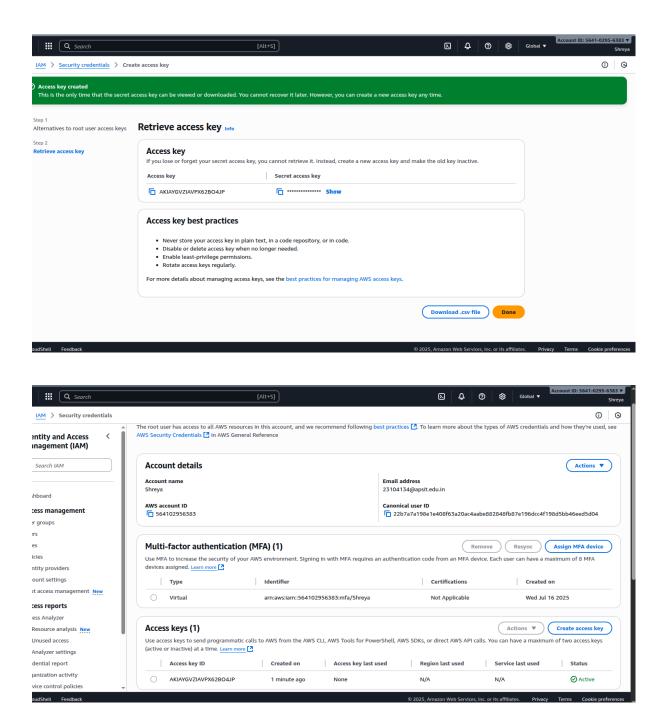






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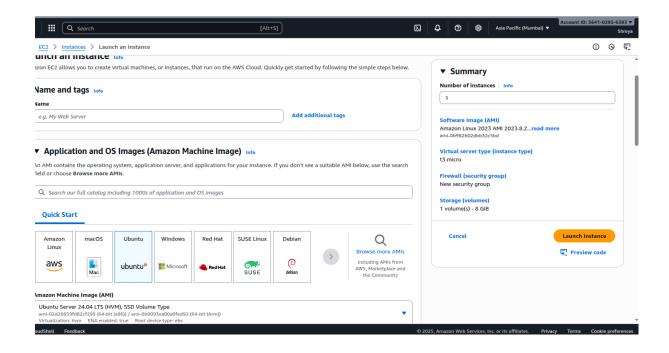
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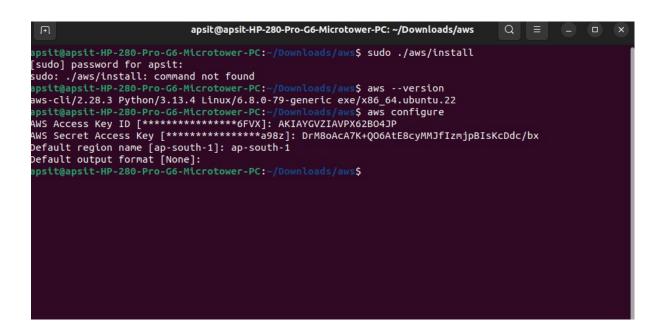




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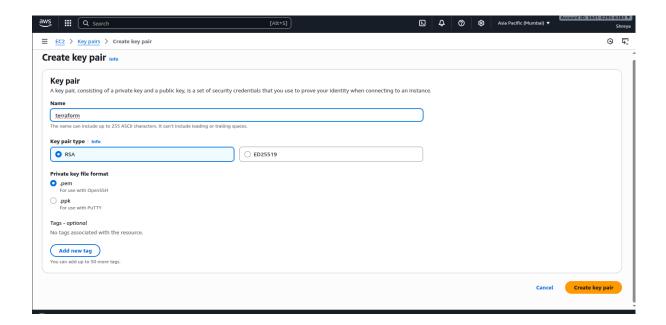


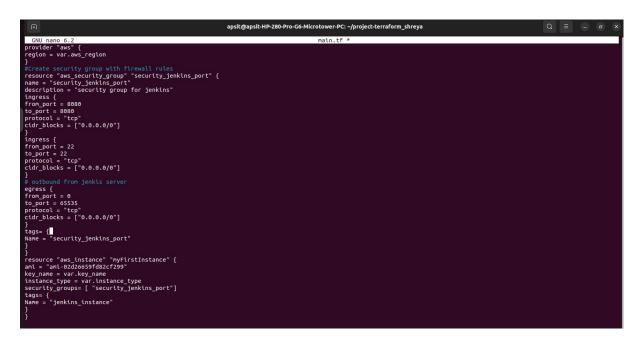




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```
/nome/apstt/project-terrarorm_snreya
apstt@apstt-HP-280-Pro-G6-Microtower-PC:-/project-terraform_shreya$ ls
apstt@apstt-HP-280-Pro-G6-Microtower-PC:-/project-terraform_shreya$ sudo nano variables.tf
[sudo] password for apsit:
apsit@apsit-HP-280-Pro-G6-Microtower-PC:-/project-terraform_shreya$ sudo nano main.tf
apsit@apsit-HP-280-Pro-G6-Microtower-PC:-/project-terraform_shreya$ terraform init
apsit@apsit=IP-280-Pro-G6-Microtower-PC:-/project-terraform_shreya$ terraform initializing the backend...
Initializing provider plugins...
Finding latest version of hashicorp/aws...
Installing hashicorp/aws v6.13.0...
Installed hashicorp/aws v6.13.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control repository so that Terraform can guarantee to make the same selections by default when you run "terraform init" in the future.
 Terraform has been successfully initialized!
 rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.

apsit@apsit-HP-280-Pro-GG-Microtower-PC:~/project-terraform_shreya$ terraform plan
```

```
psit@apsit-HP-280-Pro-G6-Microtower-PC:~/project-terraform_shreya$ terraform plan
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
Terraform will perform the following actions:
     ws_instance.myFirstInstance will be created
esource "aws_instance" "myFirstInstance" {
+ ami = "ami-02d26659fd82cf299"
- /kpown_affer_apply)
```



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```
maintenance options (known after apply)
         + metadata_options (known after apply)
         + network_interface (known after apply)
         + primary_network_interface (known after apply)
         + private_dns_name_options (known after apply)
        + root_block_device (known after apply)
Plan: 1 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
Terraform will perform the actions described above.
Only 'yes' will be accepted to approve.
  Enter a value: yes
aws_instance.myFirstInstance: Creating...
aws_instance.myFirstInstance: Still creating... [00m10s elapsed]
aws_instance.myFirstInstance: Still creating... [00m20s elapsed]
aws_instance.myFirstInstance: Still creating... [00m30s elapsed]
aws_instance.myFirstInstance: Creation complete after 35s [id=i-0846c1dc0b88efde8]
 Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~/project-terraform
```

Conclusion: In this experiment, we build a AWS infrastructure, changeed it and destroyed it.