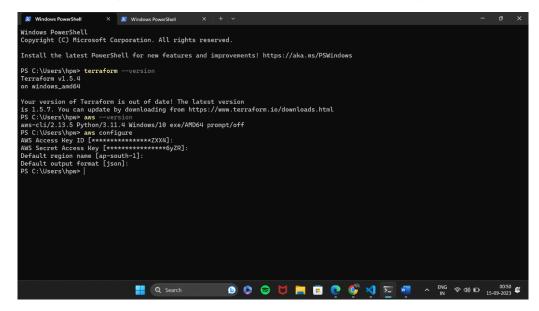
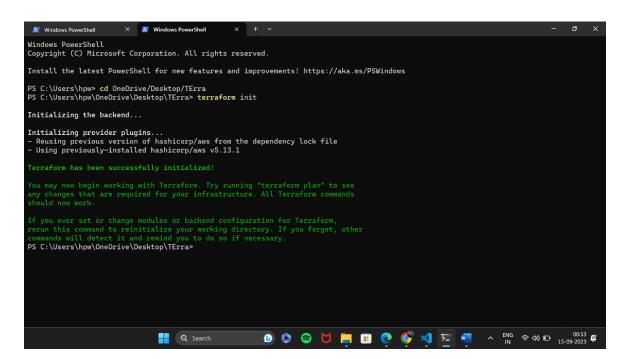
## **Assignment 1:**

• Checking Terraform and AWS Version and Configuring AWS Credentials (Access Keys, Secret access Key, region)



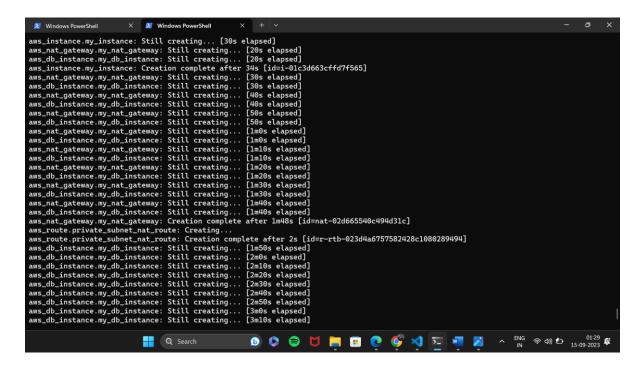
- Creating Terraform File and Writing Script to Create resources, common file name is main.tf
- Then Change Directory to where is terraform state file is stored (in my case it is "cd OneDrive/Desktop/terra")
- Now, After running terraform init, Terraform will create a hidden directory called .terraform in your project directory, which contains the initialized configuration and provider plugins.



Now Give Command Terraform apply
 A Confirmation message will appear which say "Do you want to perform these action" type "yes" to continue/proceed

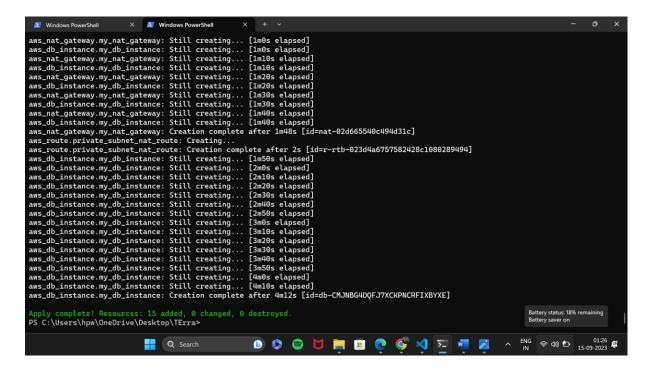
```
X Windows PowerShell
         + tags_all
+ vpc_id
                                                                                       = (known after apply)
= (known after apply)
  # aws_vpc.my_vpc will be created
+ resource "aws_vpc" "my_vpc" {
                                                                      = (known after apply)
            arn
                                                                      = "10.0.0.0/16"
= (known after apply)
            cidr block
            cior_block
default_network_acl_id
default_route_table_id
default_security_group_id
dhcp_options_id
enable_dns_hostnames
enable_dns_support
enable_network_address_usa
                                                                      = (known after apply)
= (known after apply)
= (known after apply)
                                                                      = true
            enable_network_address_usage_metrics = (known after apply)
id = (known after apply)
instance_tenancy = "default"
           Plan: 15 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
                                                                                ① ② ⑤ ☑ ☐ ☐ ② ◎ ¾ Σ ☑ ☑ Λ ENG ◎ ④ □ 01:06 Ø 1:-09-2023 Ø
                                         Q Search
```

• Now, a message will appear which says "Resources: n added"



```
aws_instance.my_instance: Still creating... [30s elapsed]
aws_nat_gateway.my_nat_gateway: Still creating... [20s elapsed]
aws_nat_gateway.my_nat_gateway: Still creating... [20s elapsed]
aws_instance.my_instance: Greation complete after 31s [3d=i-0lc3d663cffd7f565]
aws_instance.my_instance: Greation complete after 31s [3d=i-0lc3d663cffd7f565]
aws_nat_gateway.my_nat_gateway: Still creating... [30s elapsed]
aws_db_instance.my_db_instance: Still creating... [40s elapsed]
aws_nat_gateway.my_nat_gateway: Still creating... [40s elapsed]
aws_db_instance.my_db_instance: Still creating... [20s elapsed]
aws_db_instance.my_db_instance: Still creating... [20s elapsed]
aws_db_instance.my_db_instance: Still creating... [20s elapsed]
aws_db_instance.my_db_instance: Still
```

• These 3 Screenshots Contain Name of Different resources which are created during execution of terraform file



Terraform Script

• Kindly Go through this terraform file stored in google drive.