Module 8 - Terraform

Assignment-1

- 1. Create an EC2 service in the default subnet in the Ohio region
 - Navigated to terraform installed instance
 - Created a directory naming assignment1 and created a main.tf inside the directory created with the script to create EC2 instance in ohio regio

```
ubuntu@ip-172-31-35-160:~$ mkdir assignment1
ubuntu@ip-172-31-35-160:~$ cd assignment1
ubuntu@ip-172-31-35-160:~/assignment1$ ls
ubuntu@ip-172-31-35-160:~/assignment1$ vi main.tf
```

The script writtenb in main.tf

```
provider "aws" {
     secret_key = "Pr7tQthXHgkb3dgT+S1010wfwkQPaDrusDdD8Rf8"
     access key = "AKIAYJ5MROACCA2BOW5E"
     region = "us-east-2"
resource "aws instance" "this" {
     ami = "ami-05fb0b8c1424f266b"
     instance_type = "t2.micro"
     key name = "venkatohio"
     tags = {
          Name = "Assignment1"
     }
orovider "aws"
        secret_key = "Pr7tQthXHgkb3dgT+S1010wfwkQPaDrusDdD8Rf8"
access_key = "AKIAYJ5MROACCAZBOW5E"
region = "us-east-2"
resource "aws_instance" "this" ami = "ami-05fb0b8c1424f266b"
        instance_type = "t2.micro"
key_name = "venkatohio"
        tags = {
                 Name = "Assignment1"
```

Then initialised terraform

```
ubuntu@ip-172-31-35-160:~/assignmentl$ terraform init

Initializing the backend...

Initializing provider plugins...
- Finding latest version of hashicorp/aws...
- Installing hashicorp/aws v5.31.0...
- Installed hashicorp/aws v5.31.0 (signed by HashiCorp)

Terraform has created a lock file .terraform.lock.hol 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!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.
```

Validated the syntax of script with terraform validate

```
ubuntu@ip-172-31-35-160:~/assignment1$ terraform validate
Success! The configuration is valid.
```

Perfomed terraform plan

Then applied the changes with terraform apply