Module 8 - Terraform

Assignment-4

- 1. Destroy the previous deployments
- 2. Create a VPC with the required components using Terraform
- 3. Deploy an EC2 instance inside the VPC
 - Destroyed previous deployments

```
Plan: 0 to add, 0 to change, 2 to destroy.

Do you really want to destroy all resources?

Terraform will destroy all your managed infrastructure, as shown above.

There is no undo. Only 'yes' will be accepted to confirm.

Enter a value: yes

aws_instance.this: Destroying... [id=i-043ebc1518de9950a]
aws_instance.this1: Destroying... [id=i-0331f0f3d56b74f8a]
aws_instance.this: Still destroying... [id=i-043ebc1518de9950a, 10s elapsed]
aws_instance.this1: Still destroying... [id=i-0331f0f3d56b74f8a, 10s elapsed]
aws_instance.this1: Still destroying... [id=i-0331f0f3d56b74f8a, 20s elapsed]
aws_instance.this1: Still destroying... [id=i-0331f0f3d56b74f8a, 20s elapsed]
aws_instance.this1: Destruction complete after 30s
aws_instance.this1: Destruction complete after 30s

Destroy complete! Resources: 2 destroyed.

ubuntu@ip-172-31-35-160:~/assignment3$
```

Then created a new directty named assignment4 and written a main.tf with a hcl script

```
ubuntu@ip-172-31-35-160:~$ mkdir assignmnet4
ubuntu@ip-172-31-35-160:~$ cd assignment4
-bash: cd: assignment4: No such file or directory
ubuntu@ip-172-31-35-160:~$ cd
ubuntu@ip-172-31-35-160:~$ cd assignmnet4
ubuntu@ip-172-31-35-160:~/assignmnet4$ ls
ubuntu@ip-172-31-35-160:~/assignmnet4$ vi main.tf
```

```
provider "aws"
        secret_key = "Pr7tQthXHgkb3dgT+S1010wfwkQPaDrusDdD8Rf8"
        access key = "AKIAYJ5MROACCA2BOW5E"
        region = "us-east-2"
resource "aws vpc" "main" {
 cidr block = "10.0.0.0/16"
resource "aws subnet" "main" {
 vpc_id = aws_vpc.main.id
 cidr_block = "10.0.1.0/24"
 tags = {
    Name = "Main"
resource "aws_instance" "this" {
        ami = "ami - 05fb0b8c1424f266b"
        instance_type = "t2.micro"
key_name = "venkatohio"
        subnet id = aws subnet.main.id
        tags = {
                Name = "Assignment4"
```

Initialised terraform

```
Ubuntu@ip-172-31-35-160:~/assignmnet4$ 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.

If you ever set or change modules or backend configuration for Terraform,
```

Performed terraform plan

Applied changes with terraform aplly command