#### **Terraform Own Module**

# Task 1.5 → Creating terraform own module

**Step:1** I created two folders for two modules **Child-Module**, **Parent-Module**, Inside the module I created **main.tf & variables.tf** 

```
File Edit Selection View Go Run

∠ Terra-Auto

                               main.tf ...\Parent-Module X
                                                         terraform.tfvars
                                                                              variables.tf ...\Child-Module
                                                                                                            🍟 variable
仚
     1.5 Module Own > Parent-Module > 🦞 main.tf > ધ module "my-vpc" > 🖃 public_subnet_cidr
                                      provider "aws" {
       > 1.1 Import CMD
                                        region = region
       > 1.2 Import To-Id
       > 1.3 Import VPC
       > 1.4 Import Using Py
                                      module "my-vpc" {

✓ 1.5 Module Own

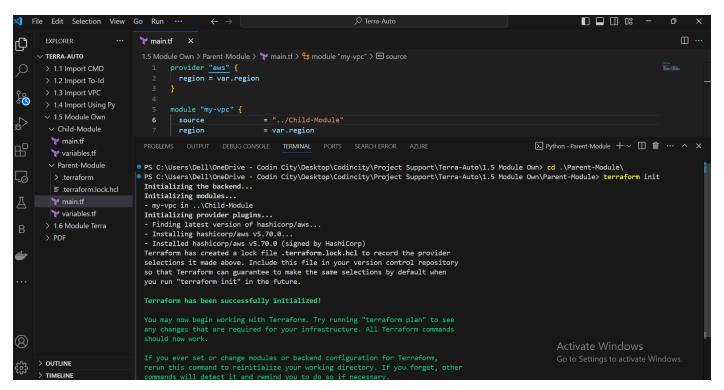
                                       source
                                                             = "../Child-Module"

∨ Child-Module

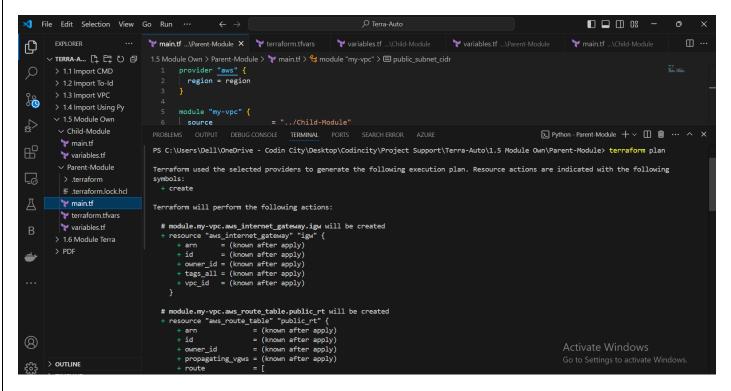
                                                             = var.region
                                        region
        main.tf
                                       vpc_cidr_block
                                                           = var.vpc_cidr_block
                                        public_subnet_cidr = var.public_subnet_cidr
         yariables.tf
                                  9
                                        availability_zone
                                                             = var.availability_zone

∨ Parent-Module
```

Step:2 After creating module I will initializing the terraform file → terraform init



# Step:3 → terraform plan



### Step:4 → terraform apply –auto-approve

```
刘 File Edit Selection View Go Run …
                                                                                                                                           ▼ main.tf ...\Parent-Module X ▼ terraform.tfvars ▼ variables.tf ...\Child-Module

▼ variables.tf ...\Parent-Module

                                                                                                                                      main.tf ...\Child-Module
Ф
                               1.5 Module Own > Parent-Module > 🦞 main.tf > 😭 module "my-vpc" > 🖃 public_subnet_cidr
       > 1.1 Import CMD
                                                            = "../Child-Module"
                                        source
%
                                     region
                                                           = var.region
       > 1.4 Import Using Py

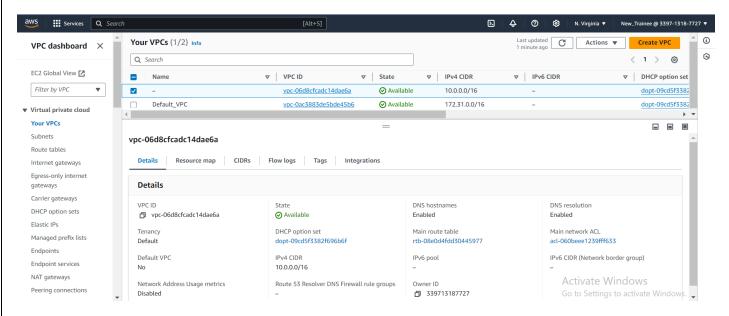
√ 1.5 Module Own

                               PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH ERROR AZURE
                                                                                                                              ☑ Python - Parent-Module + ∨ Ⅲ 葡 ··· ∧ X

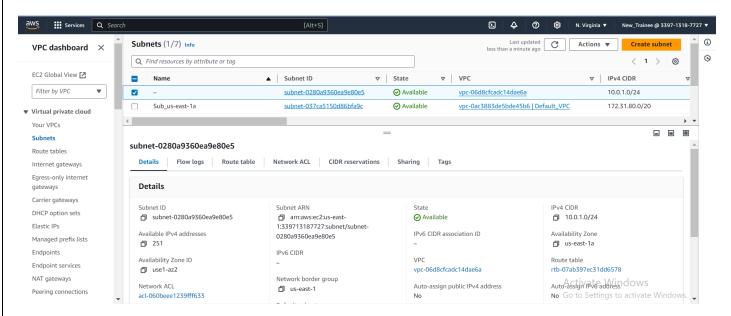
∨ Child-Module

                              PS C:\Users\Dell\OneDrive - Codin City\Desktop\Codincity\Project Support\Terra-Auto\1.5 Module Own\Parent-Module> terraform apply --auto-a
        main.tf
B
        🚏 variables.tf
        ∨ Parent-Module
                               Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following
> .terraform
                               symbols:
                                 + create
        Terraform will perform the following actions:
         {} terraform.tfstate
                                 terraform.tfvars
        yariables.tf
       > 1.6 Module Terra
=
                                     + owner_id = (known after apply)
                                     + tags all = (known after apply)
                                 # module.my-vpc.aws route table.public rt will be created
                                             "aws_route_table" "public_rt" {
                                                     = (known after apply)
= (known after apply)
                                                                                                                                    Activate Windows
                                     + owner_id = (known after apply)
+ propagating_vgws = (known after apply)
+ route = [
     > OUTLINE
```

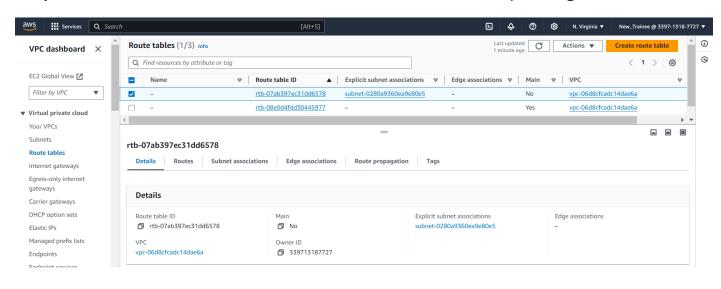
### Step:5 The VPC has been created



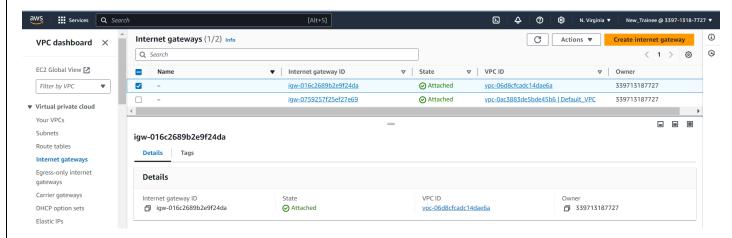
## Step:6 Created one public subnet



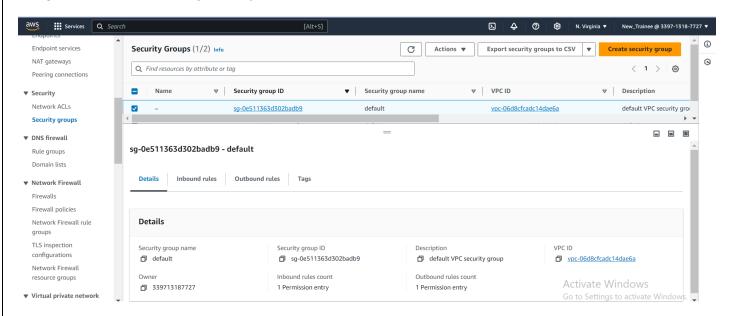
# Step:7 Route table has been created & associated with corresponding subnet



### Step:8 Internet Gateway has been created & associated with public subnet



### Step:9 Default Security Group has been created



## Step:10 This is the flow of using modules

