SPCM LAB-4

Objective: Learn how to define and use variables in Terraform configuration.

Create a file variable.tf with the following contents.

```
• gauravbhandari@gauravs-MacBook-Air-2 aws-terraform-demo % touch variable.tf
```

```
🛂 instance.tf
                 y variable.tf ×
🚩 variable.tf > 😭 variable "countNumber"
       variable "ubuntu_ami" {
         type = string
         default = "ami-03f4878755434977f"
  4
      variable "instance_type" {
         type = string
         default = "t2.micro"
  9
       variable "countNumber" {
              = number
 10
         type
         default = 1
 11
 12
```

· Use the variable declared and defined in variable.tf in instance.tf

 Run the command terraform plan and review the plan to see if it meets your expectations

Run terraform apply and create the resources.

```
Plan: 1 to add, 0 to change, 0 to destroy.

aws_instance.UPES1[0]: Creating...

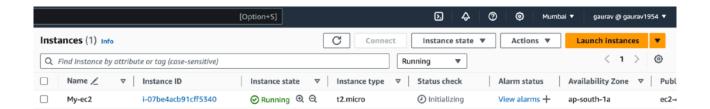
aws_instance.UPES1[0]: Still creating... [10s elapsed]

aws_instance.UPES1[0]: Still creating... [20s elapsed]

aws_instance.UPES1[0]: Still creating... [30s elapsed]

aws_instance.UPES1[0]: Creation complete after 33s [id=i-07be4acb91cff5340]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
```



 When you are done experimenting, run the following command to destroy the createdre sources.

```
o gauravbhandari@gauravs-Air-2 aws-terraform-demo % terraform destroy --auto-approve aws_instance.UPES1[0]: Refreshing state... [id=i-07be4acb91cff5340]

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:

- destroy

Terraform will perform the following actions:
```

```
Plan: 0 to add, 0 to change, 1 to destroy.

aws_instance.UPES1[0]: Destroying... [id=i-07be4acb91cff5340]

aws_instance.UPES1[0]: Still destroying... [id=i-07be4acb91cff5340, 10s elapsed]

aws_instance.UPES1[0]: Still destroying... [id=i-07be4acb91cff5340, 20s elapsed]

aws_instance.UPES1[0]: Still destroying... [id=i-07be4acb91cff5340, 30s elapsed]

aws_instance.UPES1[0]: Destruction complete after 31s

Destroy complete! Resources: 1 destroyed.
```

