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Lab Exercise 5– Terraform Variables with Command Line Arguments Objective:

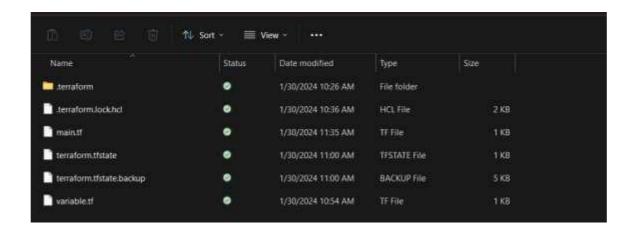
Learn how to pass values to Terraform variables using command line arguments.

Prerequisites:

- Terraform installed on your machine.
- · Basic knowledge of Terraform variables.

Steps:

1. Create a Terraform Directory:



2. Create Terraform Configuration Files:

Create a file named main.tf:

main.tf Create a file named variables.tf:

variables.tf

```
variable.tf X
variable.tf > variable "region_ec2" > was description

variable "ami" {

description = "AMI ID"

default = "ami-03f4878755434977f"

}

variable "instance_ty" {

description = "ec2-instance"

default = "t2.micro"

}

variable "region_ec2" {

description = "ec2-region"

default = "ap-south-1"

default = "ap-south-1"
```

3. Use Command Line Arguments:

```
Plan: 1 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

aws_instance.example: Creating...
aws_instance.example: Still creating... [10s elapsed]
aws_instance.example: Still creating... [20s elapsed]
aws_instance.example: Creation complete after 24s [id=i-0815a18f08a60d7e8]

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

4. Test and Verify:



5. Clean Up:

```
S C:\Users\Dell\OneOrive\Desktop\DevOps\TerraformVariables> terra
ws_instance.example: Refreshing state... [id=i-0815a18f08a60d7e8]
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:
 # aws_instance.example will be destroy
resource "aws_instance" "example" (
         - ani
                                                                   = "ami-83f4878755434977f" -> mull
                                                                   = "ann:aws:ec2:ap-south-1:637423583821:instance/i-8815a18f88a68d7e8" -> mull
          associate_public_ip_address
availability_zone
                                                                  = true -> null
= "ap-south-la" -> null
          cpu_core_count
cpu_threads_per_core
disable_api_stop
disable_api_termination
ebs_optimized
                                                                  = 1 -> null
= 1 -> null
                                                                   = false -> null
= false -> null
           get_password_data
hibernation
                                                                   = false -> mull
                                                               or = "stop" > null
= "cunning" -> null
= "t2.small" -> null
= 0 -> null
= [] -> null
= false -> null
= 0 -> null
                                                                   = "i-0815a18f08a60d7e8" -> null
           instance_initiated_shutdown_behavior = "stop"
           instance_state 
instance_type
           ipv6_address_count
ipv6_addresses
           monitoring placement partition number
```

```
Plan: 0 to add, 0 to change, 1 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.example: Destroying... [id=i-0815a18f08a60d7e8]

aws_instance.example: Still destroying... [id=i-0815a18f08a60d7e8, 10s elapsed]

aws_instance.example: Still destroying... [id=i-0815a18f08a60d7e8, 20s elapsed]

aws_instance.example: Still destroying... [id=i-0815a18f08a60d7e8, 30s elapsed]

aws_instance.example: Still destroying... [id=i-0815a18f08a60d7e8, 40s elapsed]

aws_instance.example: Destruction complete after 40s

Destroy complete! Resources: 1 destroyed.
```

