**TERRAFORM ASSIGN 7 (Query Data with Outputs)**

**Outputs.tf**

output "instance\_id" {

description = "ID of the EC2 instance"

value = aws\_instance.app\_server.id

}

output "instance\_public\_ip" {

description = "Public IP address of the EC2 instance"

value = aws\_instance.app\_server.public\_ip

}

**Hands on :**

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>type nul > outputs.tf

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform apply

[0m[1maws\_instance.app\_server: Refreshing state... [id=i-093aaff1aaad86754][0m

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

[33m~[0m update in-place

[0m

Terraform will perform the following actions:

[1m # aws\_instance.app\_server[0m will be updated in-place[0m[0m

[0m [33m~[0m[0m resource "aws\_instance" "app\_server" {

[1m[0mid[0m[0m = "i-093aaff1aaad86754"

[33m~[0m [0m[1m[0mtags[0m[0m = {

[33m~[0m [0m"Name" = "YetAnotherName" [33m->[0m [0m"AWS instance"

}

[33m~[0m [0m[1m[0mtags\_all[0m[0m = {

[33m~[0m [0m"Name" = "YetAnotherName" [33m->[0m [0m"AWS instance"

}

[90m# (26 unchanged attributes hidden)[0m[0m

[90m# (6 unchanged blocks hidden)[0m[0m

}

[0m[1mPlan:[0m 0 to add, 1 to change, 0 to destroy.

[0m[0m

[1mChanges to Outputs:[0m[0m

[32m+[0m [0m[1m[0minstance\_id[0m[0m = "i-093aaff1aaad86754"

[0m[1m

Do you want to perform these actions?[0m

Terraform will perform the actions described above.

Only 'yes' will be accepted to approve.

[1mEnter a value:[0m [0myes

[0m[1maws\_instance.app\_server: Modifying... [id=i-093aaff1aaad86754][0m[0m

[0m[1maws\_instance.app\_server: Modifications complete after 1s [id=i-093aaff1aaad86754][0m

[0m[1m[32m

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

[0m[0m[1m[32m

Outputs:

[0minstance\_id = "i-093aaff1aaad86754"

instance\_public\_ip = ""

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform output

instance\_id = "i-093aaff1aaad86754"

instance\_public\_ip = ""

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform output instance\_id

"i-093aaff1aaad86754"

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform output instance\_public\_id

[31m╷[0m[0m

[31m│[0m [0m[1m[31mError: [0m[0m[1mOutput "instance\_public\_id" not found[0m

[31m│[0m [0m

[31m│[0m [0m[0mThe output variable requested could not be found in the state file. If you recently added this to your configuration, be sure to run `terraform apply`, since the

[31m│[0m [0mstate won't be updated with new output variables until that command is run.

[31m╵[0m[0m

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform output instance\_public\_ip

""

C:\Users\BHARATH\Downloads\terraform\_1.1.9\_windows\_amd64>terraform destroy

[0m[1maws\_instance.app\_server: Refreshing state... [id=i-093aaff1aaad86754][0m

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

[31m-[0m destroy

[0m

Terraform will perform the following actions:

[1m # aws\_instance.app\_server[0m will be [1m[31mdestroyed[0m[0m

[0m [31m-[0m[0m resource "aws\_instance" "app\_server" {

[31m-[0m [0m[1m[0mami[0m[0m = "ami-0f2e255ec956ade7f" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0marn[0m[0m = "arn:aws:ec2:ap-south-1:518400964168:instance/i-093aaff1aaad86754" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0massociate\_public\_ip\_address[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mavailability\_zone[0m[0m = "ap-south-1b" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mcpu\_core\_count[0m[0m = 1 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mcpu\_threads\_per\_core[0m[0m = 1 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mdisable\_api\_termination[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mebs\_optimized[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mget\_password\_data[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mhibernation[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mid[0m[0m = "i-093aaff1aaad86754" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0minstance\_initiated\_shutdown\_behavior[0m[0m = "stop" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0minstance\_state[0m[0m = "stopped" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0minstance\_type[0m[0m = "t2.micro" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mipv6\_address\_count[0m[0m = 0 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mipv6\_addresses[0m[0m = [] [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mmonitoring[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mprimary\_network\_interface\_id[0m[0m = "eni-032de058aacc98aa7" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mprivate\_dns[0m[0m = "ip-172-31-12-111.ap-south-1.compute.internal" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mprivate\_ip[0m[0m = "172.31.12.111" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0msecondary\_private\_ips[0m[0m = [] [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0msecurity\_groups[0m[0m = [

[31m-[0m [0m"default",

] [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0msource\_dest\_check[0m[0m = true [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0msubnet\_id[0m[0m = "subnet-05cb7730d97889cef" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mtags[0m[0m = {

[31m-[0m [0m"Name" = "AWS instance"

} [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mtags\_all[0m[0m = {

[31m-[0m [0m"Name" = "AWS instance"

} [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mtenancy[0m[0m = "default" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0muser\_data\_replace\_on\_change[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mvpc\_security\_group\_ids[0m[0m = [

[31m-[0m [0m"sg-020ea365cec135e00",

] [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0mcapacity\_reservation\_specification {

[31m-[0m [0m[1m[0mcapacity\_reservation\_preference[0m[0m = "open" [90m->[0m [0m[90mnull[0m[0m

}

[31m-[0m [0mcredit\_specification {

[31m-[0m [0m[1m[0mcpu\_credits[0m[0m = "standard" [90m->[0m [0m[90mnull[0m[0m

}

[31m-[0m [0menclave\_options {

[31m-[0m [0m[1m[0menabled[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

}

[31m-[0m [0mmaintenance\_options {

[31m-[0m [0m[1m[0mauto\_recovery[0m[0m = "default" [90m->[0m [0m[90mnull[0m[0m

}

[31m-[0m [0mmetadata\_options {

[31m-[0m [0m[1m[0mhttp\_endpoint[0m[0m = "enabled" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mhttp\_put\_response\_hop\_limit[0m[0m = 1 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mhttp\_tokens[0m[0m = "optional" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0minstance\_metadata\_tags[0m[0m = "disabled" [90m->[0m [0m[90mnull[0m[0m

}

[31m-[0m [0mroot\_block\_device {

[31m-[0m [0m[1m[0mdelete\_on\_termination[0m[0m = true [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mdevice\_name[0m[0m = "/dev/sda1" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mencrypted[0m[0m = false [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0miops[0m[0m = 100 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mtags[0m[0m = {} [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mthroughput[0m[0m = 0 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mvolume\_id[0m[0m = "vol-0956a464b825361fb" [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mvolume\_size[0m[0m = 8 [90m->[0m [0m[90mnull[0m[0m

[31m-[0m [0m[1m[0mvolume\_type[0m[0m = "gp2" [90m->[0m [0m[90mnull[0m[0m

}

}

[0m[1mPlan:[0m 0 to add, 0 to change, 1 to destroy.

[0m[0m

[1mChanges to Outputs:[0m[0m

[31m-[0m [0m[1m[0minstance\_id[0m[0m = "i-093aaff1aaad86754" [90m->[0m [0m[90mnull[0m[0m

[0m[1m

Do you really want to destroy all resources?[0m

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

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

[1mEnter a value:[0m [0myes

[0m[1maws\_instance.app\_server: Destroying... [id=i-093aaff1aaad86754][0m[0m

[0m[1maws\_instance.app\_server: Still destroying... [id=i-093aaff1aaad86754, 10s elapsed][0m[0m

[0m[1maws\_instance.app\_server: Destruction complete after 11s[0m

[0m[1m[32m

Destroy complete! Resources: 1 destroyed.

**RESULT :**

