

main.tf

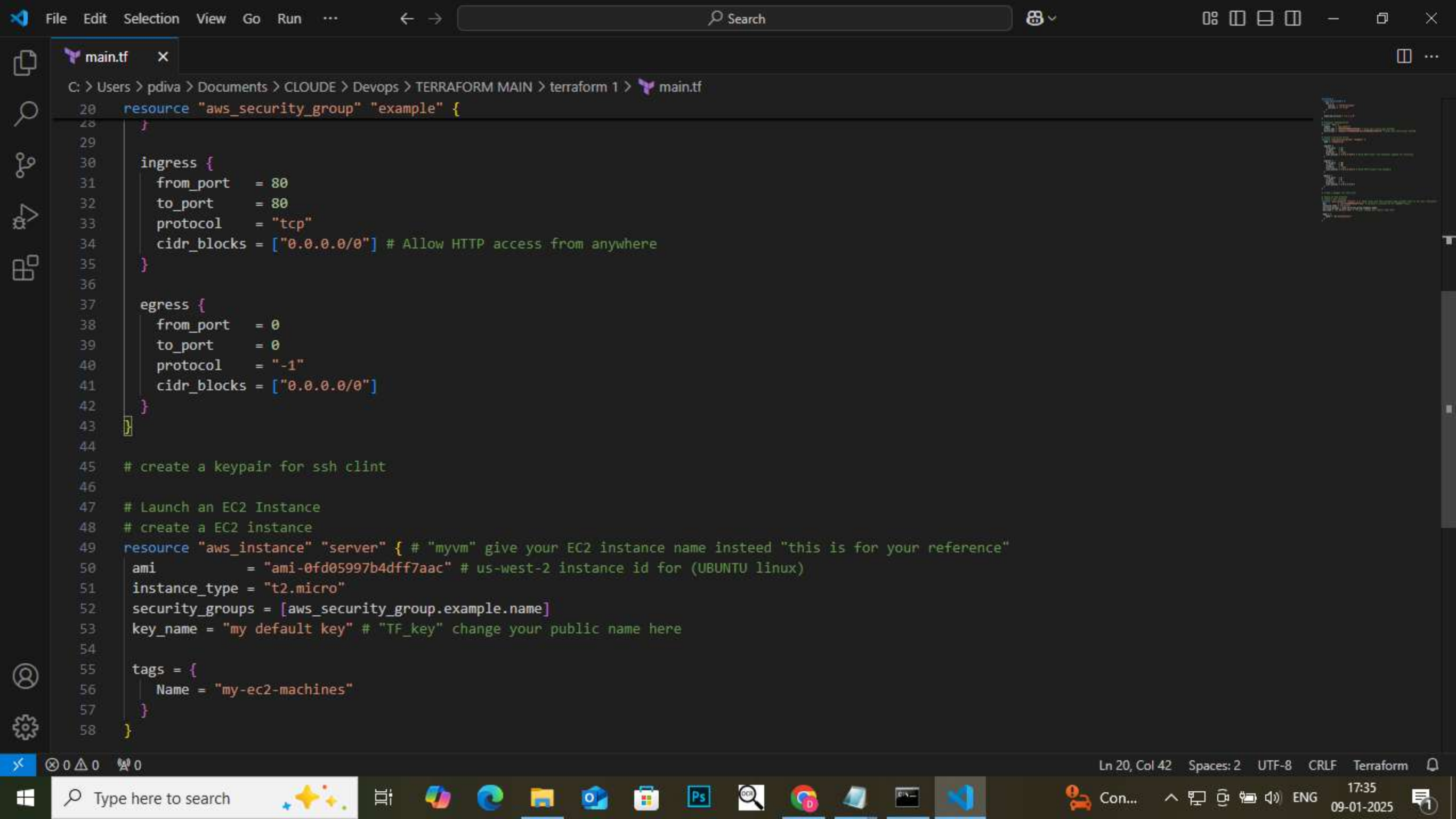
C:\Users\pdiva\Documents\CLOUDE\Devops\TERRAFORM MAIN\terraform 1\main.tf

```
1 terraform {
2   required_providers {
3     aws = {
4       source = "hashicorp/aws"
5       version = "~> 4.16"
6     }
7   }
8
9   required_version = ">= 1.2.0"
10 }
11
12 # Providers Configuration
13 provider "aws" {
14   region      = "ap-south-1"
15   access_key  = "AKIAYHJANNQ3N3INZZMJ" # give your access_key instead
16   secret_key  = "q5gZmAfiV4GIDWq58bH70zLxUsBBApReoUYWZiFb" # give your secret_key instead
17 }
18
19 # Create a Security Group
20 resource "aws_security_group" "example" {
21   name = "example-sg"
22
23   ingress {
24     from_port = 22
25     to_port   = 22
26     protocol  = "tcp"
27     cidr_blocks = ["0.0.0.0/0"] # Allow SSH access from anywhere (update for security)
28   }
29
30   ingress {
31     from_port = 80
32     to_port   = 80
```

Ln 20, Col 42 Spaces: 2 UTF-8 CRLF Terraform

17:35

09-01-2025



main.tf

C:\> Users > pdiva > Documents > CLOUDE > Devops > TERRAFORM MAIN > terraform 1 > main.tf

```
20 resource "aws_security_group" "example" {
21
22 }
23
24 ingress {
25   from_port    = 80
26   to_port      = 80
27   protocol     = "tcp"
28   cidr_blocks  = ["0.0.0.0/0"] # Allow HTTP access from anywhere
29 }
30
31 egress {
32   from_port    = 0
33   to_port      = 0
34   protocol     = "-1"
35   cidr_blocks  = ["0.0.0.0/0"]
36 }
37
38 # create a keypair for ssh client
39
40 # Launch an EC2 Instance
41 # create a EC2 instance
42 resource "aws_instance" "server" { # "myvm" give your EC2 instance name instead "this is for your reference"
43   ami           = "ami-0fd05997b4dff7aac" # us-west-2 instance id for (UBUNTU linux)
44   instance_type = "t2.micro"
45   security_groups = [aws_security_group.example.name]
46   key_name      = "my default key" # "TF_key" change your public name here
47
48   tags = {
49     Name = "my-ec2-machines"
50   }
51 }
```

Ln 20, Col 42 Spaces: 2 UTF-8 CRLF Terraform

17:35 09-01-2025

EXPLORER

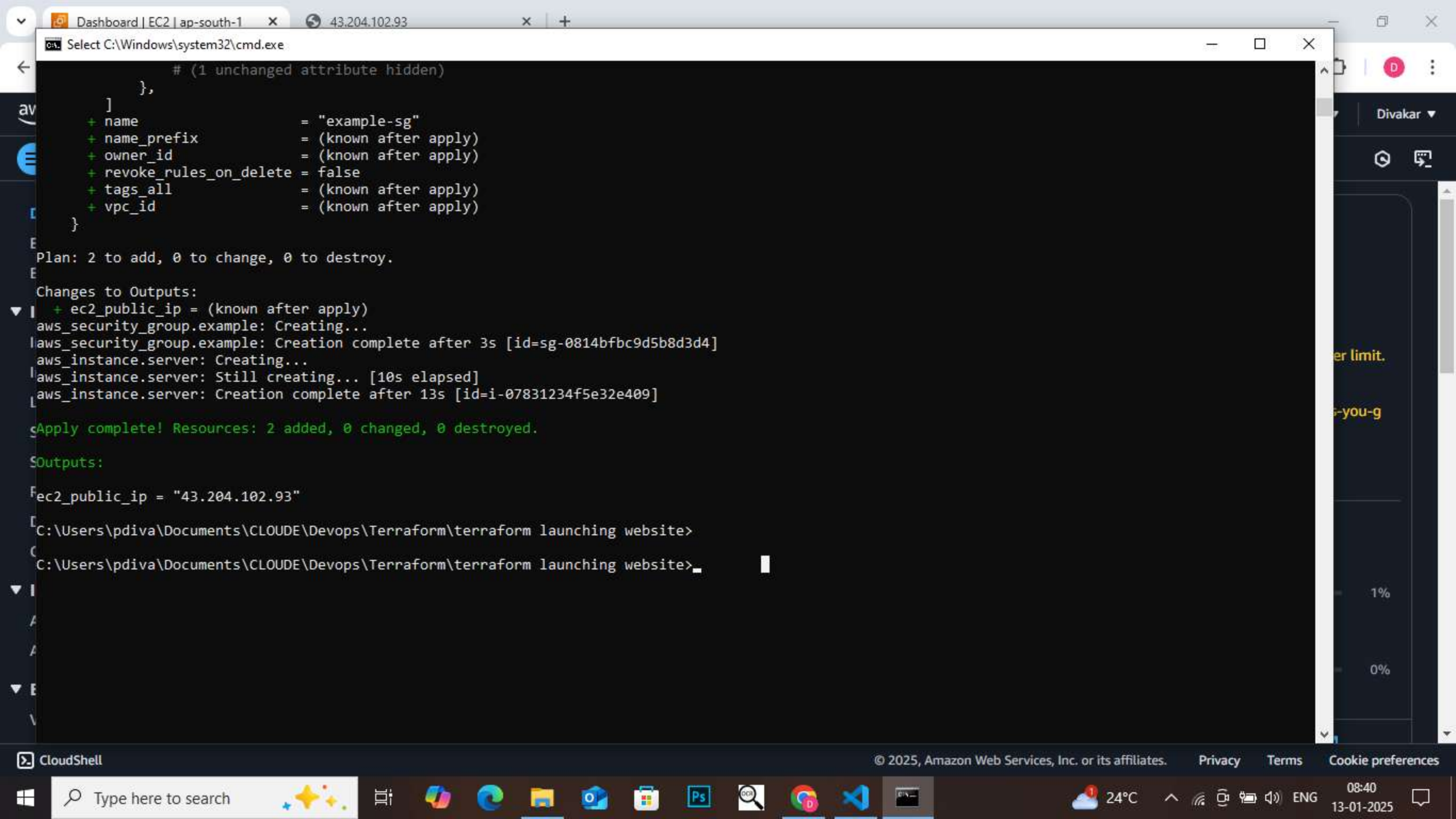
▼ TERRAFORM 1

- > .terraform
- ≡ .terraform.lock.hcl
- main.tf
- () terraform.tfstate
- ≡ terraform.tfstate.backup

> OUTLINE

> TIMELINE

```
main.tf
44
45 # Launch an EC2 Instance
46 # create a EC2 instance
47 resource "aws_instance" "server" { # "myvm" give your EC2 instance name instead "this is for your reference"
48     ami           = "ami-0fd05997b4dff7aac" # us-west-2 instance id for (UBUNTU linux)
49     instance_type = "t2.micro"
50     security_groups = [aws_security_group.example.name]
51     key_name       = "my default key" # "TF_key" change your public name here
52
53     # User data
54     user_data = <<-EOF
55     |         #!/bin/bash
56     |         yum update -y
57     |         sudo yum install httpd -y
58     |         sudo systemctl start httpd
59     |         sudo yum install unzip -y
60     |         sudo systemctl start unzip
61     |         wget https://www.free-css.com/assets/files/free-css-templates/download/page292/honey.zip
62     |         unzip '*.zip'
63     |         cd */
64     |         sudo cp -a . /var/www/html
65     |         EOF
66
67     tags = {
68         Name = "my-ec2-machines"
69     }
70 }
71 # Output the public IP of the instance
72 output "ec2_public_ip" {
73     value       = aws_instance.example.public_ip
74     description = "The public IP of the EC2 instance"
75 }
```

(1 unchanged attribute hidden)

```
    },
  ],
  + name           = "example-sg"
  + name_prefix    = (known after apply)
  + owner_id       = (known after apply)
  + revoke_rules_on_delete = false
  + tags_all       = (known after apply)
  + vpc_id         = (known after apply)
}
```

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

Changes to Outputs:

```
+ ec2_public_ip = (known after apply)
aws_security_group.example: Creating...
aws_security_group.example: Creation complete after 3s [id=sg-0814bfb9c9d5b8d3d4]
aws_instance.server: Creating...
aws_instance.server: Still creating... [10s elapsed]
aws_instance.server: Creation complete after 13s [id=i-07831234f5e32e409]
```

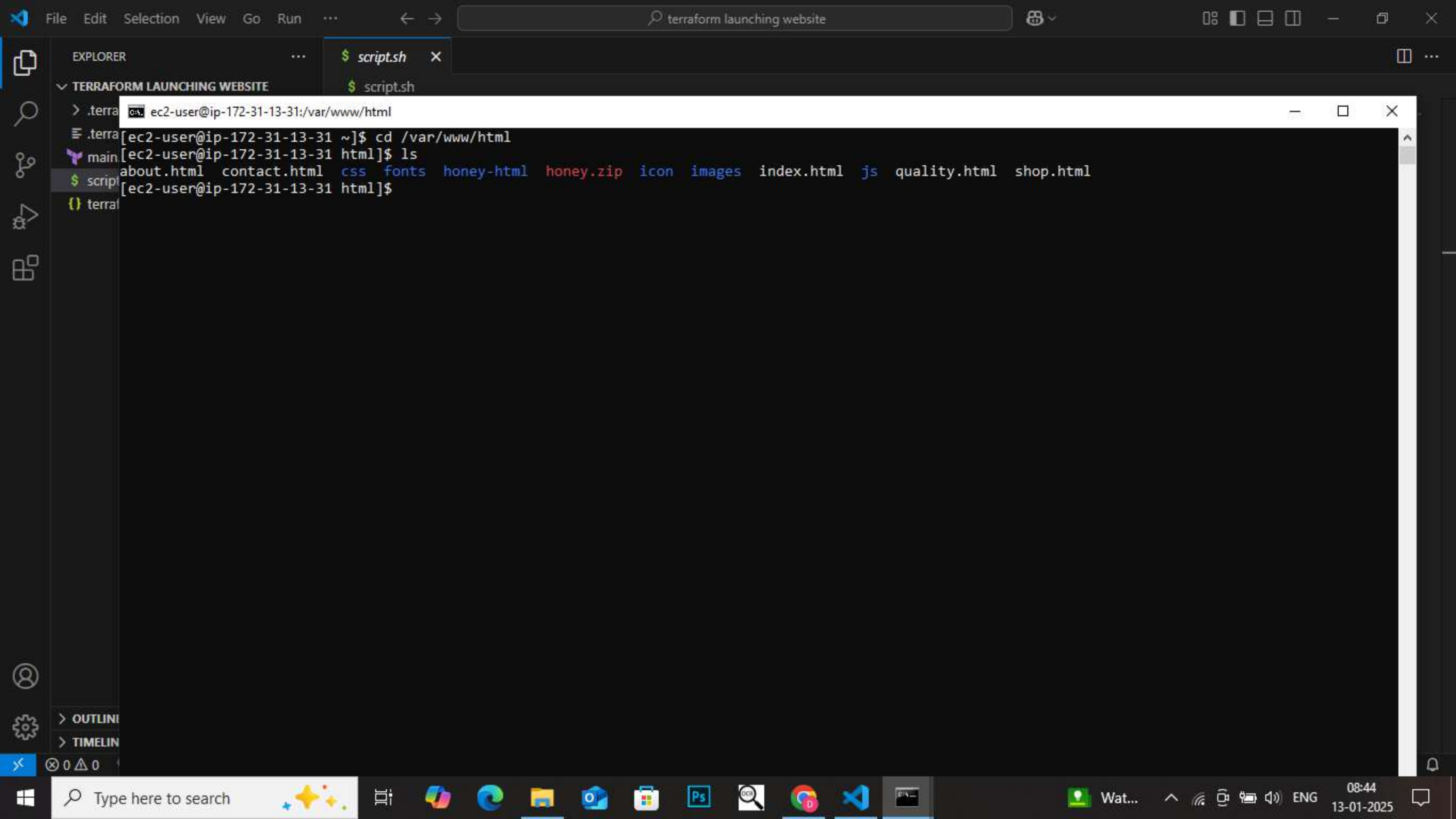
Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:

ec2_public_ip = "43.204.102.93"

C:\Users\pdiva\Documents\CLOUDE\Devops\Terraform\terraform launching website>

C:\Users\pdiva\Documents\CLOUDE\Devops\Terraform\terraform launching website>



EXPLORER

\$ script.sh ✕

TERRAFORM LAUNCHING WEBSITE

\$ script.sh

> .terra ec2-user@ip-172-31-13-31:/var/www/html

.terra[ec2-user@ip-172-31-13-31 ~]\$ cd /var/www/html

main[ec2-user@ip-172-31-13-31 html]\$ ls

about.html contact.html css fonts honey-html honey.zip icon images index.html js quality.html shop.html

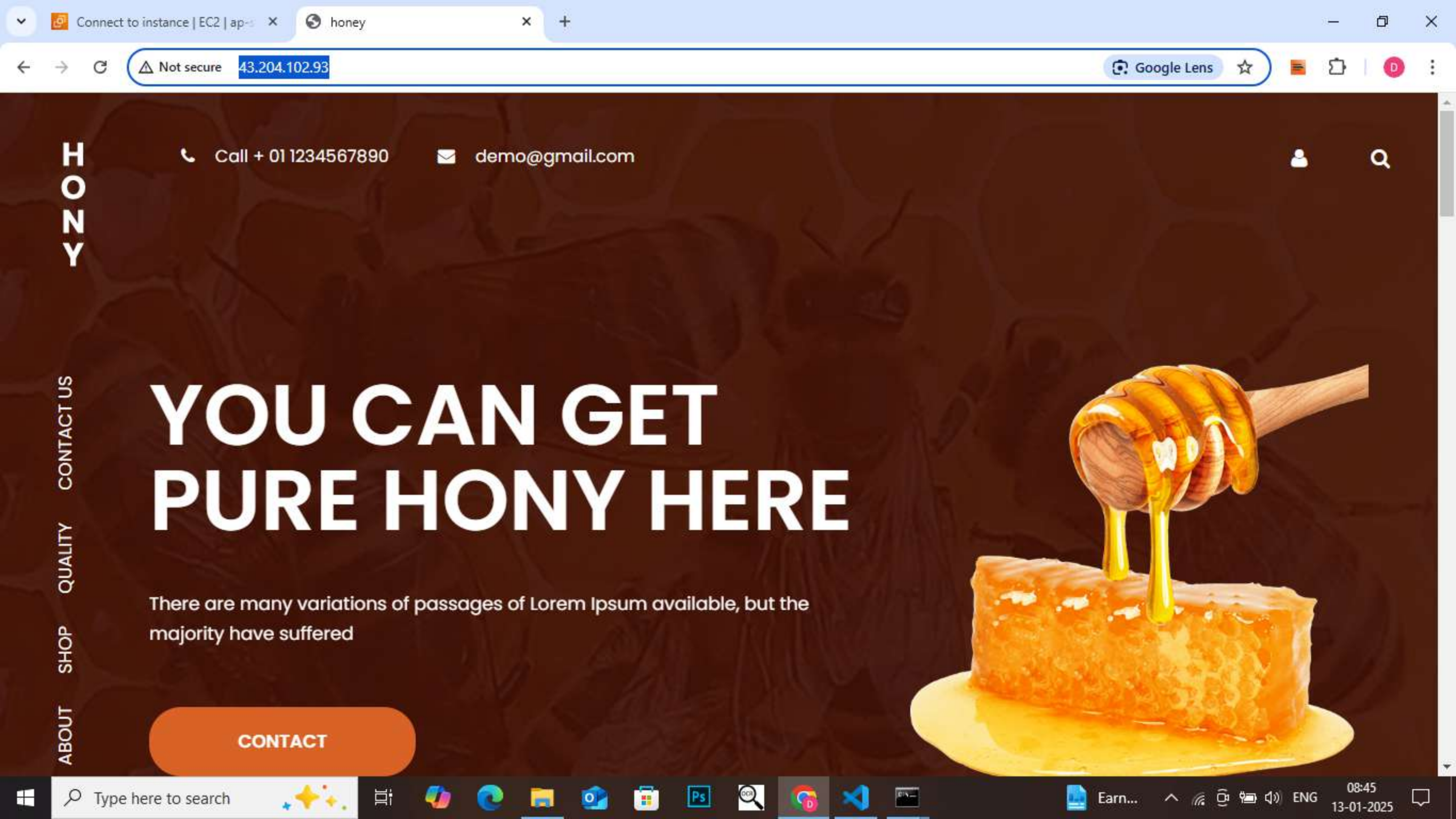
\$ script[ec2-user@ip-172-31-13-31 html]\$

{ } terra

> OUTLINE

> TIMELIN

0 0 0



HONY

Call + 01 1234567890

demo@gmail.com



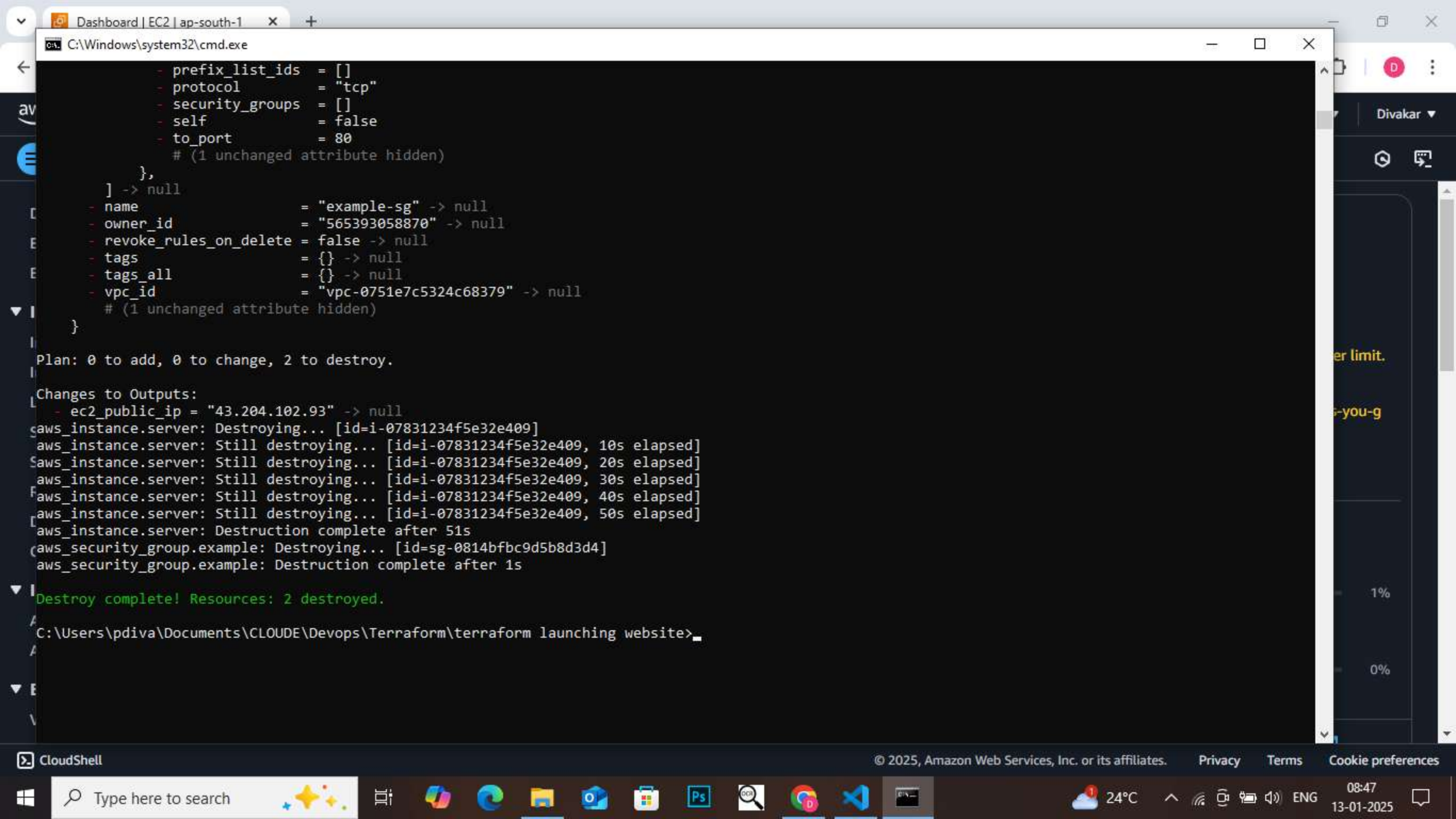
ABOUT SHOP QUALITY CONTACT US

YOU CAN GET PURE HONY HERE

There are many variations of passages of Lorem Ipsum available, but the majority have suffered

CONTACT





```
- prefix_list_ids = []
- protocol       = "tcp"
- security_groups = []
- self           = false
- to_port        = 80
# (1 unchanged attribute hidden)
},
] -> null
- name                = "example-sg" -> null
- owner_id            = "565393058870" -> null
- revoke_rules_on_delete = false -> null
- tags                = {} -> null
- tags_all            = {} -> null
- vpc_id              = "vpc-0751e7c5324c68379" -> null
# (1 unchanged attribute hidden)
}
```

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

Changes to Outputs:

```
- ec2_public_ip = "43.204.102.93" -> null
aws_instance.server: Destroying... [id=i-07831234f5e32e409]
aws_instance.server: Still destroying... [id=i-07831234f5e32e409, 10s elapsed]
aws_instance.server: Still destroying... [id=i-07831234f5e32e409, 20s elapsed]
aws_instance.server: Still destroying... [id=i-07831234f5e32e409, 30s elapsed]
aws_instance.server: Still destroying... [id=i-07831234f5e32e409, 40s elapsed]
aws_instance.server: Still destroying... [id=i-07831234f5e32e409, 50s elapsed]
aws_instance.server: Destruction complete after 51s
aws_security_group.example: Destroying... [id=sg-0814bfb9d5b8d3d4]
aws_security_group.example: Destruction complete after 1s
```

Destroy complete! Resources: 2 destroyed.

C:\Users\pdiva\Documents\CLOUDE\Devops\Terraform\terraform launching website>

Instances | EC2 | ap-south-1

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

aws

Search

[Alt+S]

Asia Pacific (Mumbai)

Divakar

Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Instances (1/1) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

1

Name

Instance ID

Instance state

Instance type

Status check

Alarm status

Availability

my-ec2-machines

i-07831234f5e32e409

Terminated

t2.micro

-

View alarms +

ap-south-1

i-07831234f5e32e409 (my-ec2-machines)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

Instance summary Info

Instance ID

i-07831234f5e32e409

Public IPv4 address

-

Private IPv4 addresses

-

IPv6 address

-

Instance state

Terminated

Public IPv4 DNS

-

Hostname type

CloudShell

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Type here to search

24°C Mostly cloudy

08:48

13-01-2025