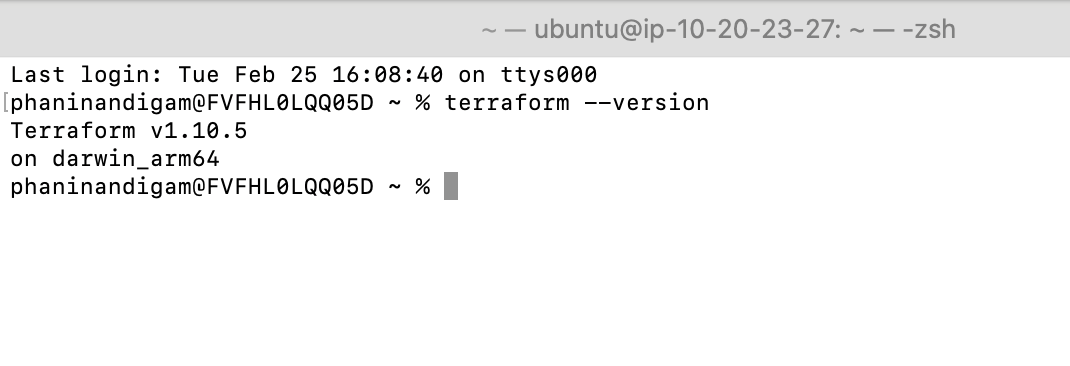
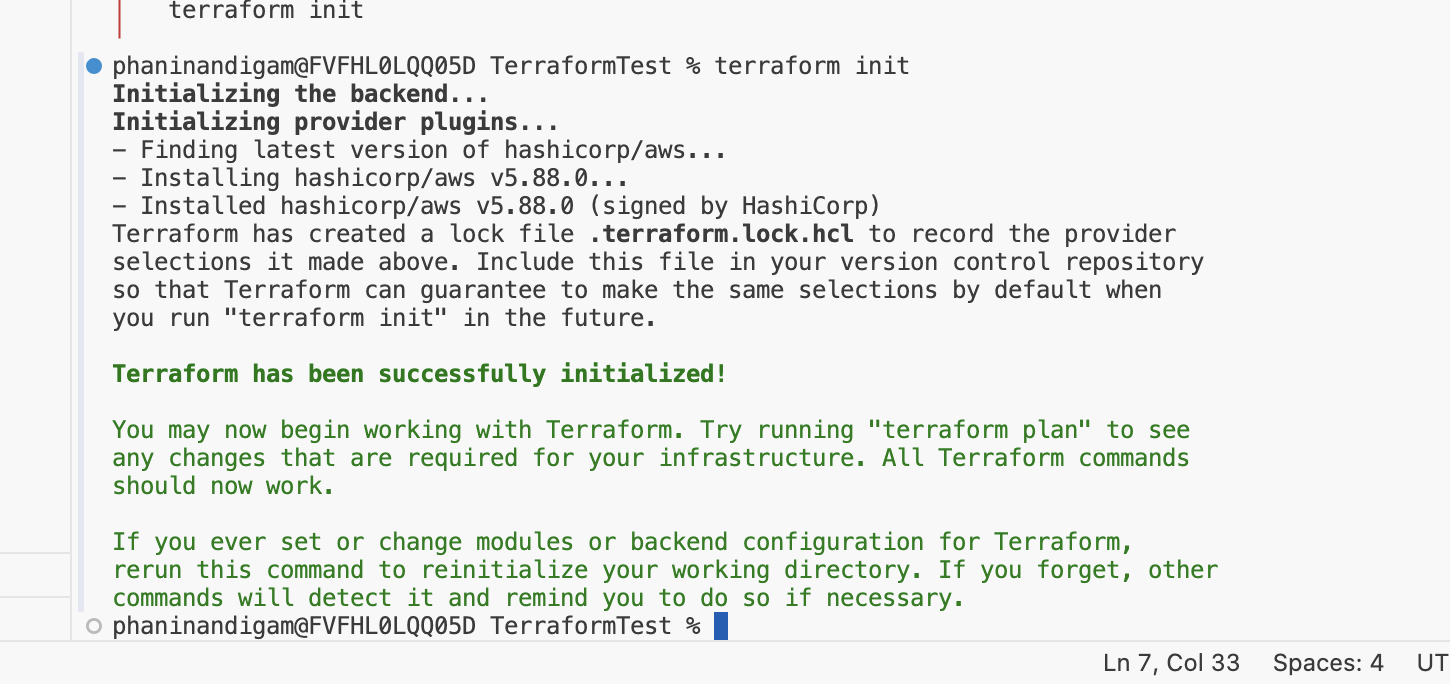
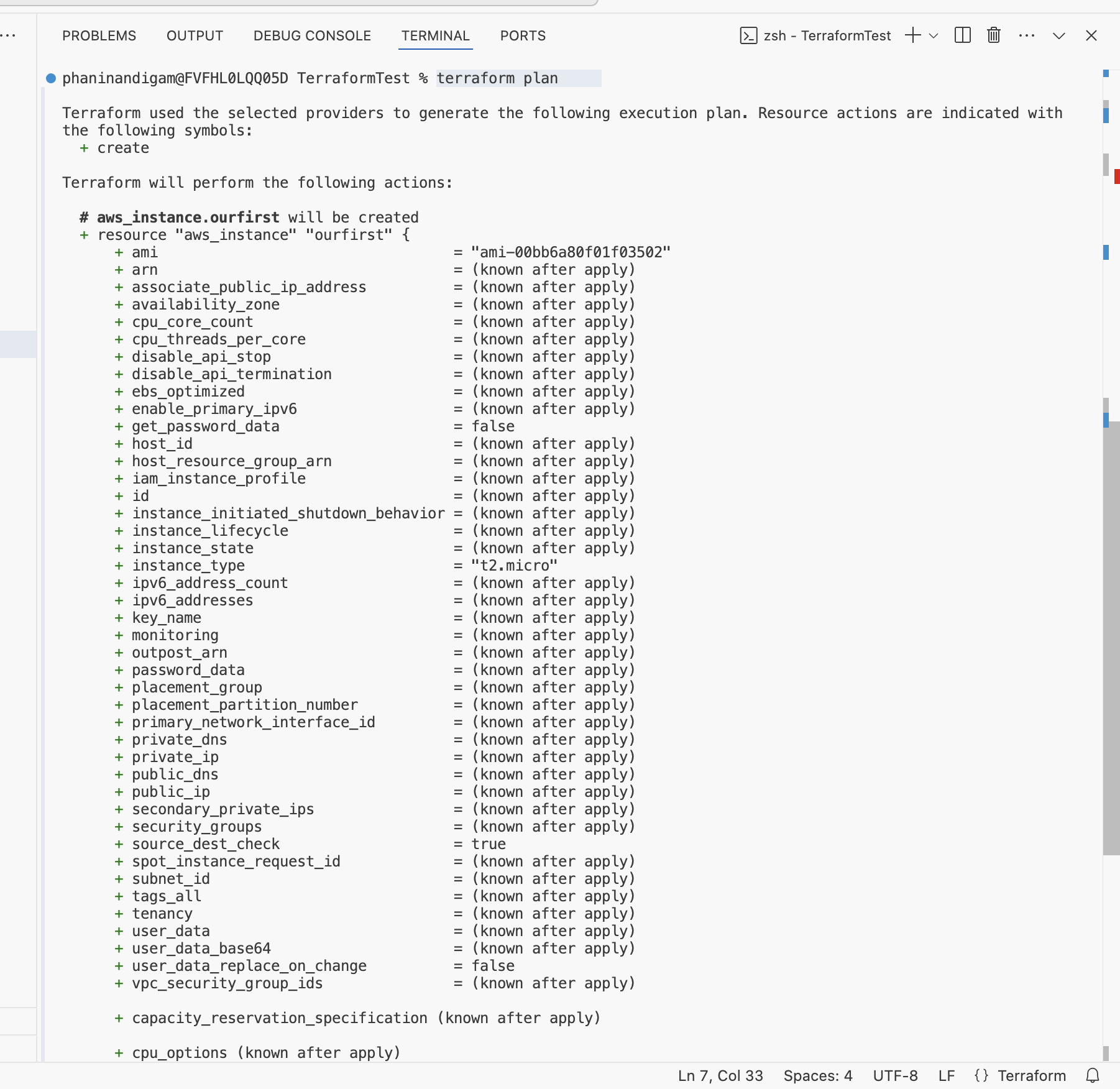
Terraform

Here we will be trying to spin up the instance using terraform

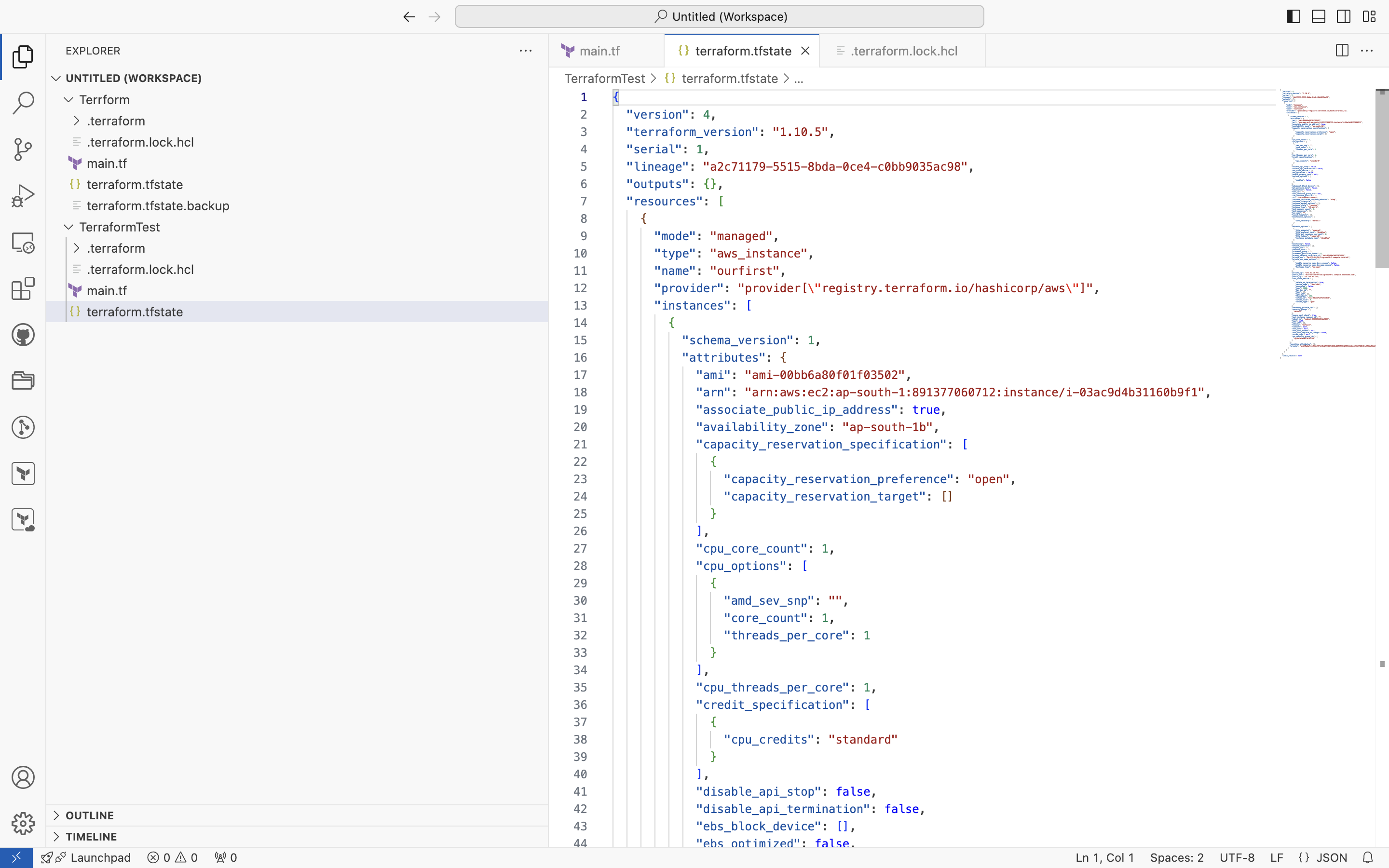
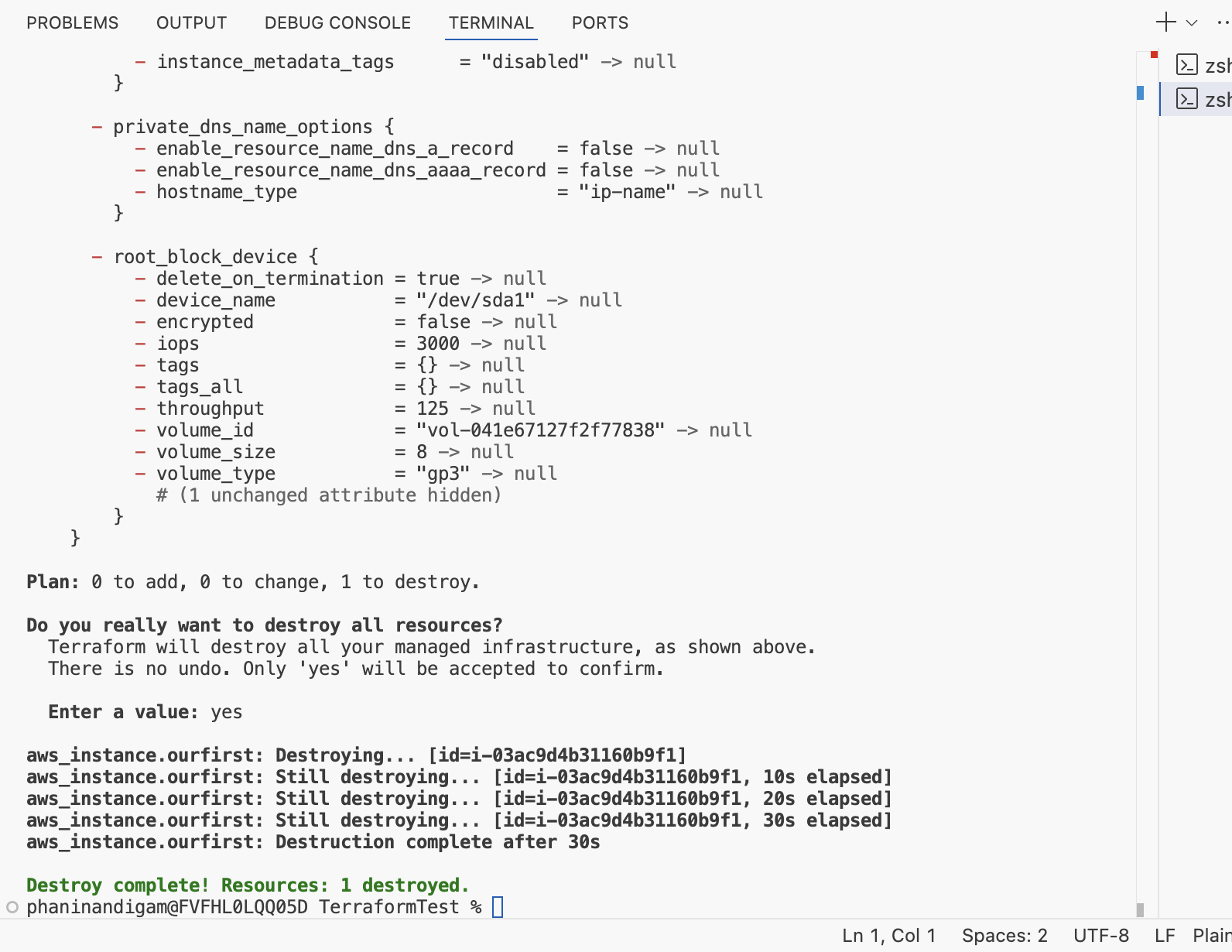
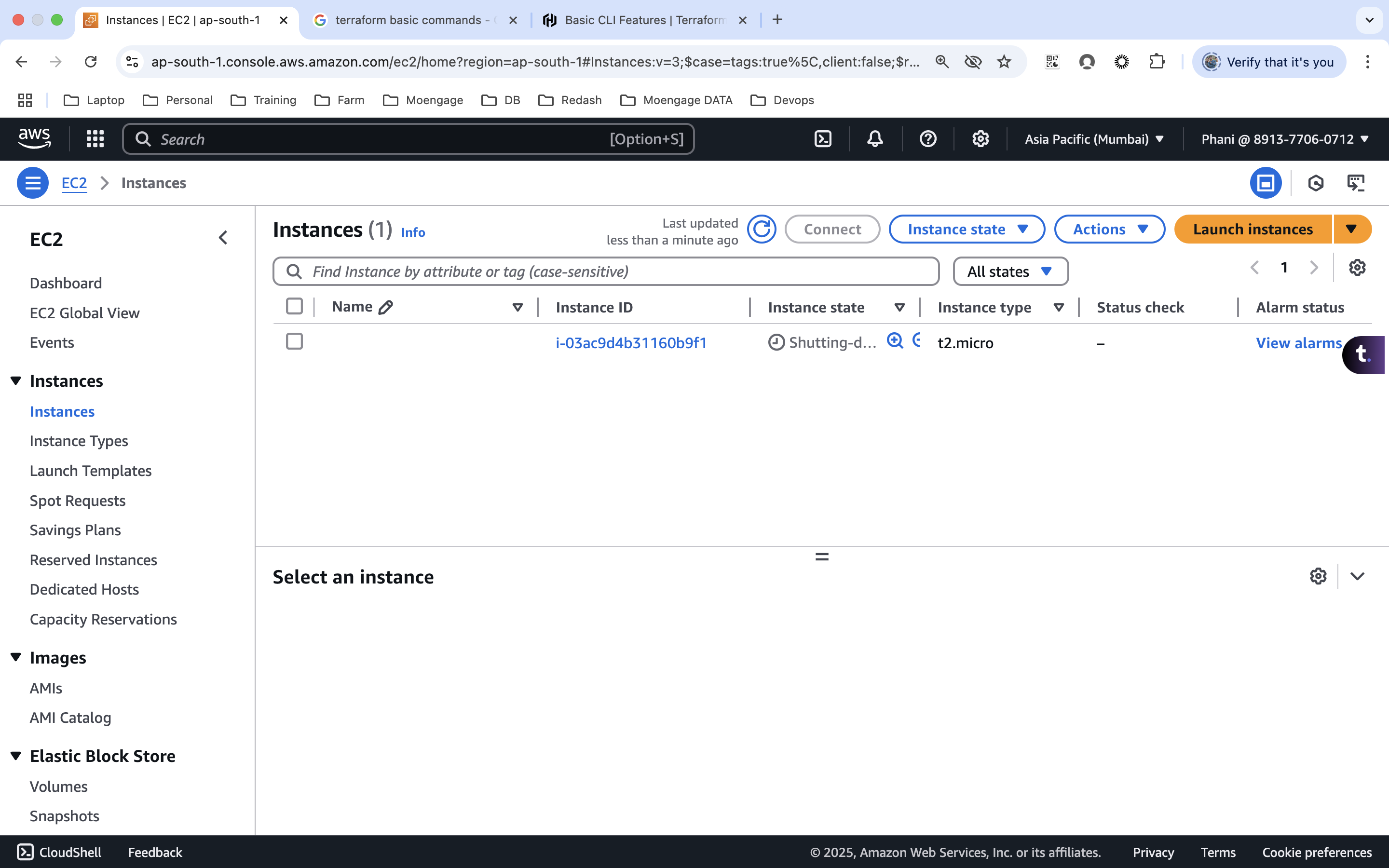
1. Download and install terraform on the local machine  
   <https://developer.hashicorp.com/terraform/install>  
     
   Commands(Mac):  
   brew tap hashicorp/tap  
   brew install hashicorp/tap/terraform  
   
2. We need to write all the terraform code in one single directory and the directory will have the binary file
3. Create a folder and run the terraform init command to initialize the terraform  
   Use VS code for this.  
     
   mkdir Terraformtest  
   terraform init  
   
4. create a terraform file, which will have the .tf extension and paste the below code.

|  |
| --- |
| provider "aws" {  access\_key = "AKIA47CRWRNUKQNWY2DR"  secret\_key = "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"  region = "ap-south-1"  }  resource "aws\_instance" "ourfirst" {  ami = "ami-00bb6a80f01f03502"  instance\_type = "t2.micro"  } |

1. This code will create an instance in the provided account (access and secret key) with the mentioned details(ami and instance type).
2. Here outfirst is not an instance name
3. If we run ‘terraform plan’ command, it will show all the details with which the resource will be created.  
     
   A screenshot of a computer program

   AI-generated content may be incorrect.
4. Use the below command to create the resource   
   terraform apply  
   provide the confirmation(yes)  
   A screenshot of a computer program

   AI-generated content may be incorrect.
5. If we look at the aws account, an ec2 is launched.  
   A screenshot of a computer

   AI-generated content may be incorrect.
6. once we run the terraform apply, a file called terraform.tfstate will be created with all the details  
   **NOTE**: We shouldn’t modify anything here.  
   
7. To remove the resource use the below command.  
   terraform destroy  
   provide the confirmation  
   
8. Instance will be terminated, and the resource will be removed from the tfstate file  
     
     
   A screenshot of a computer

   AI-generated content may be incorrect.