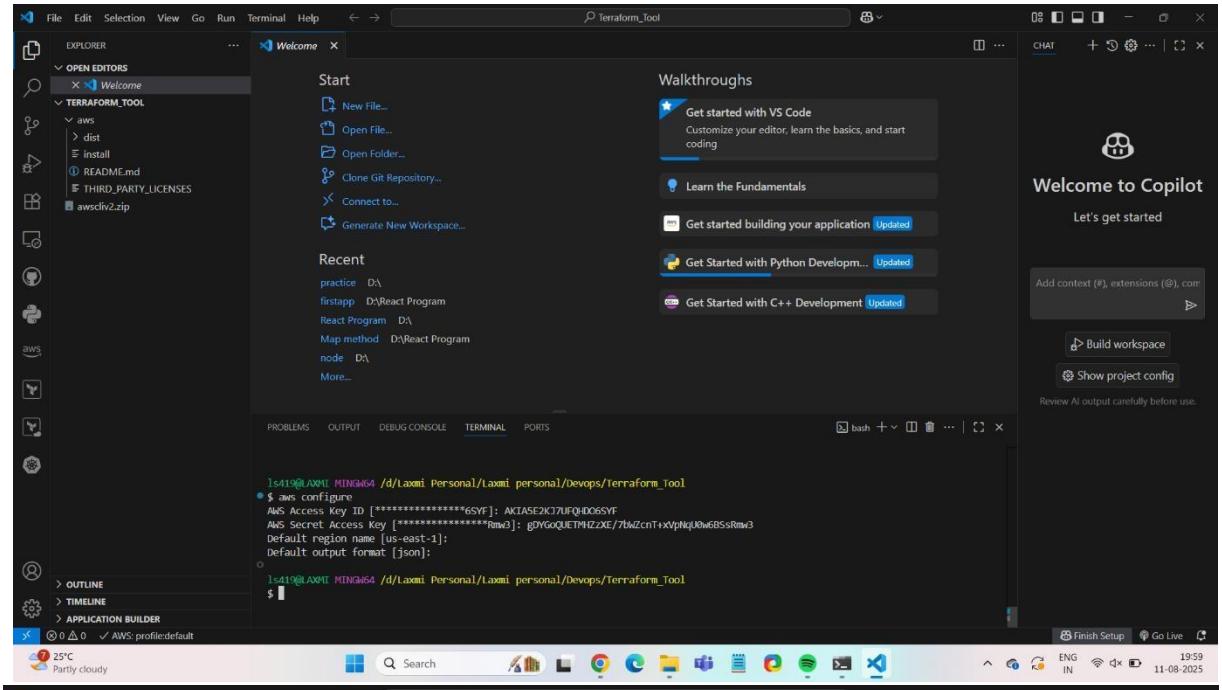
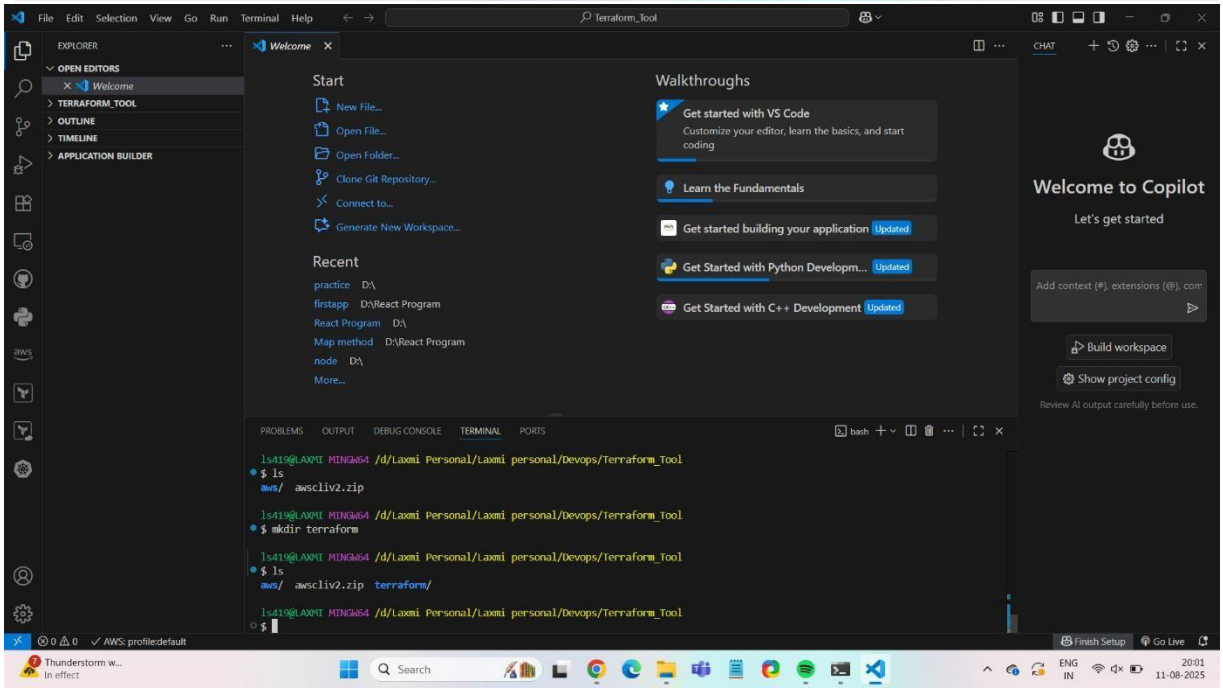
Name :- Laxmi Swami

Topic :- Create Instance Using Terraform

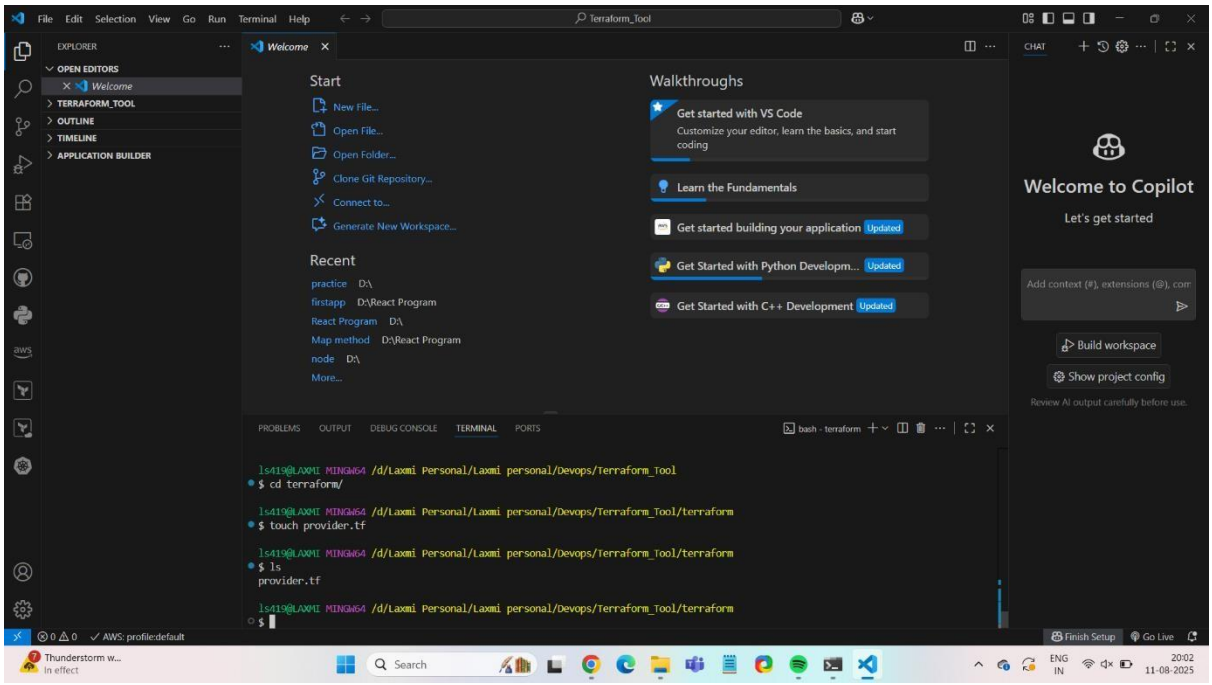
STEP 1 :- First create a folder name Terraform_Tools in you're system.

STEP 2 :- Create folder :**mkdir terraform**





STEP 3 :- Now create a file name provider.tf inside terraform folder using: **touch provider.tf**

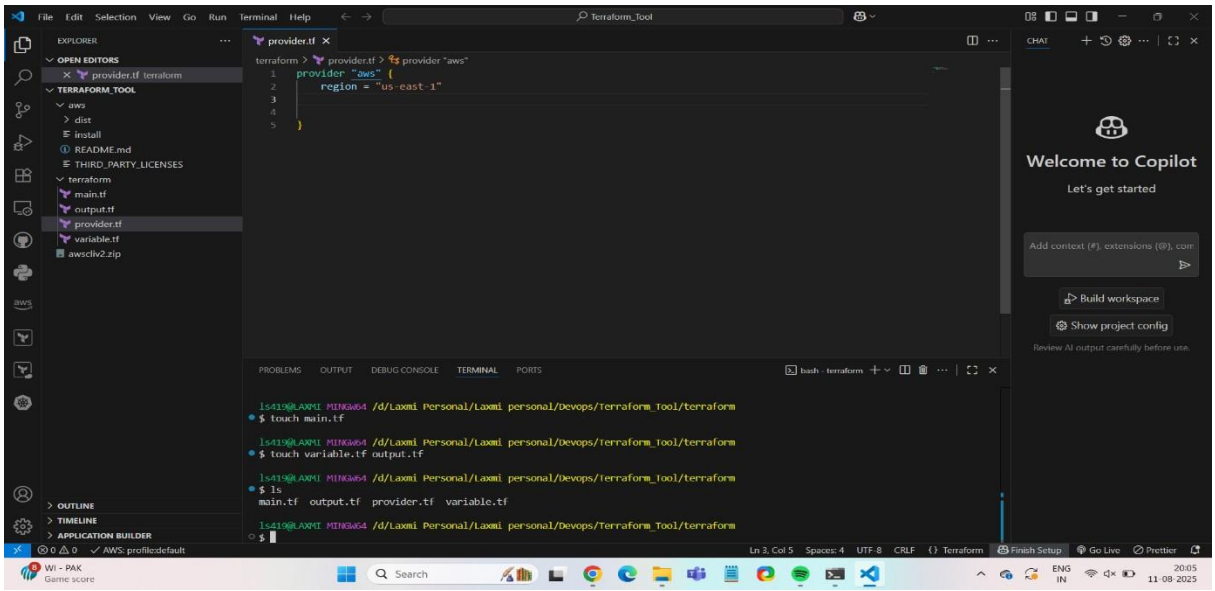


STEP 4 :- Inside provider.tf write below script.

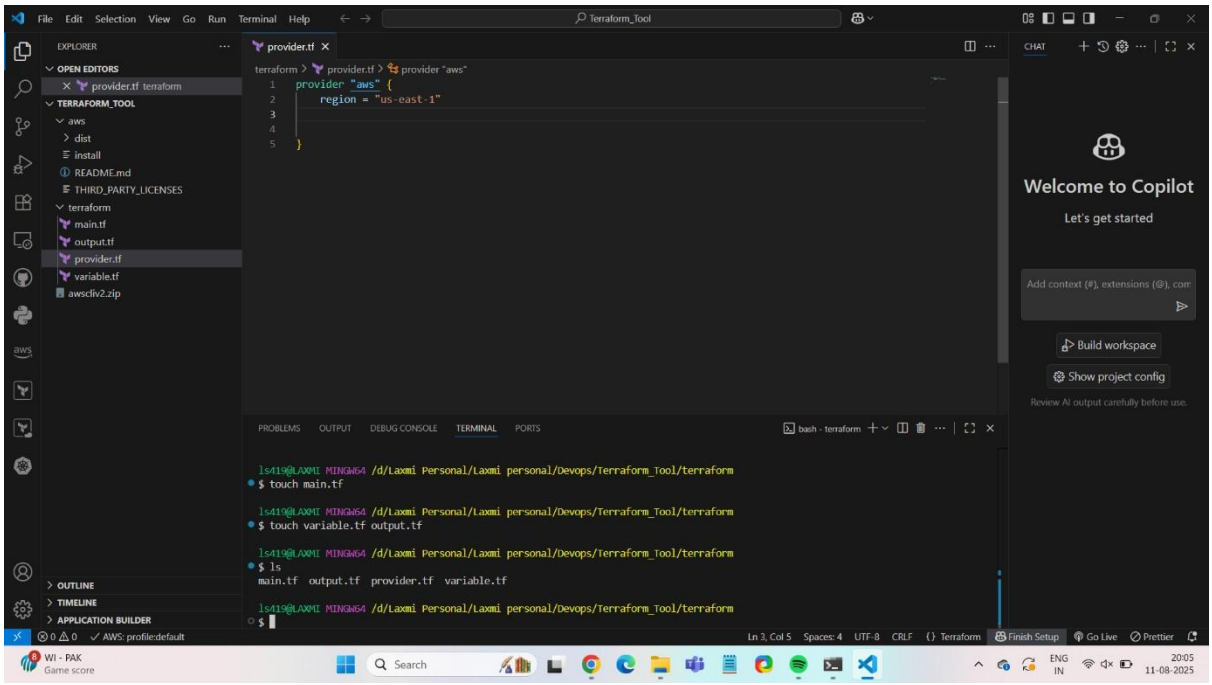
provider “aws” { region

= “us-east-1”

}

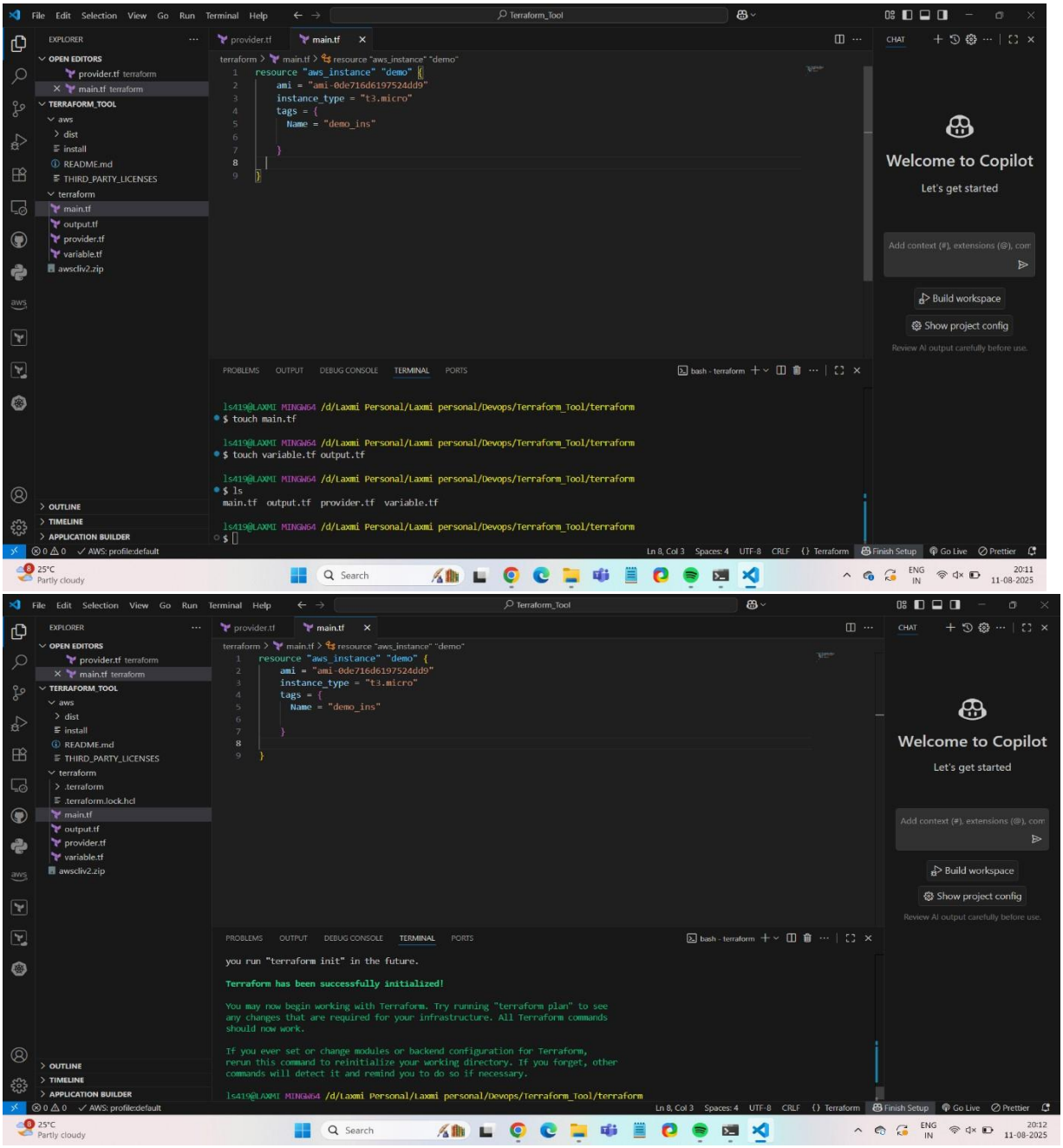


STEP 5 :- Now create 3 files inside terraform folder. **touch main.tf output.tf variable.tf**

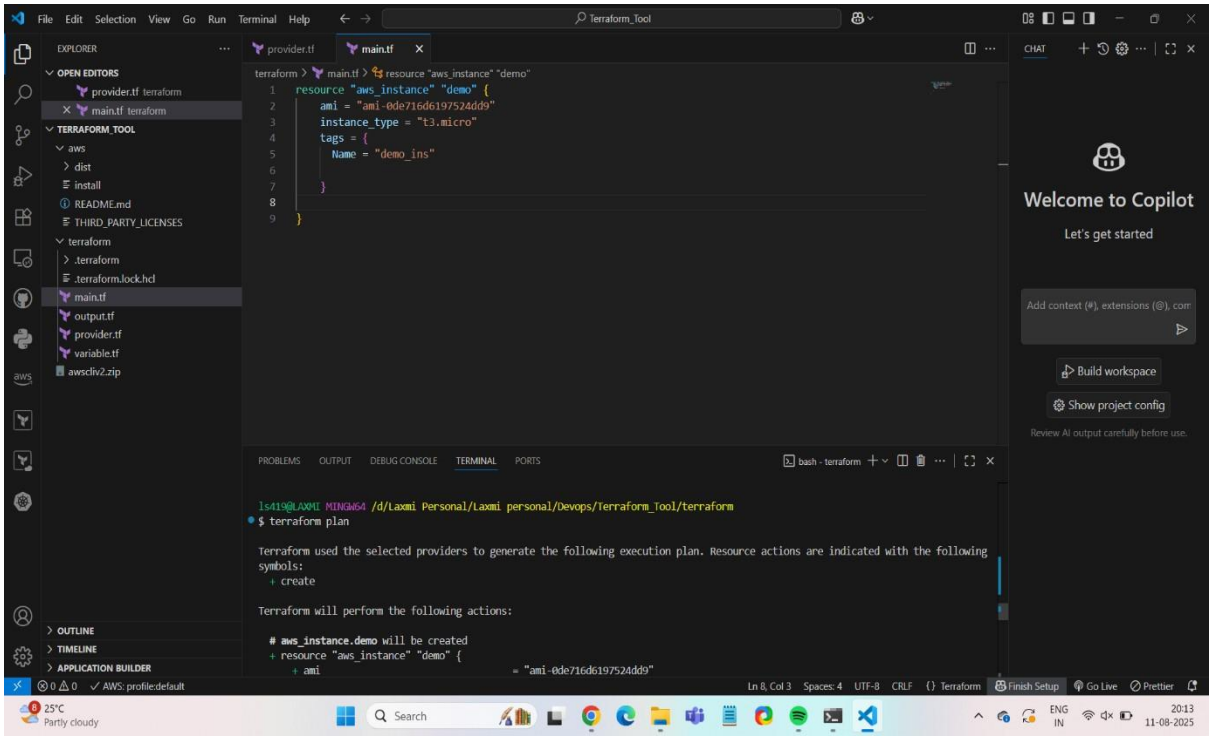


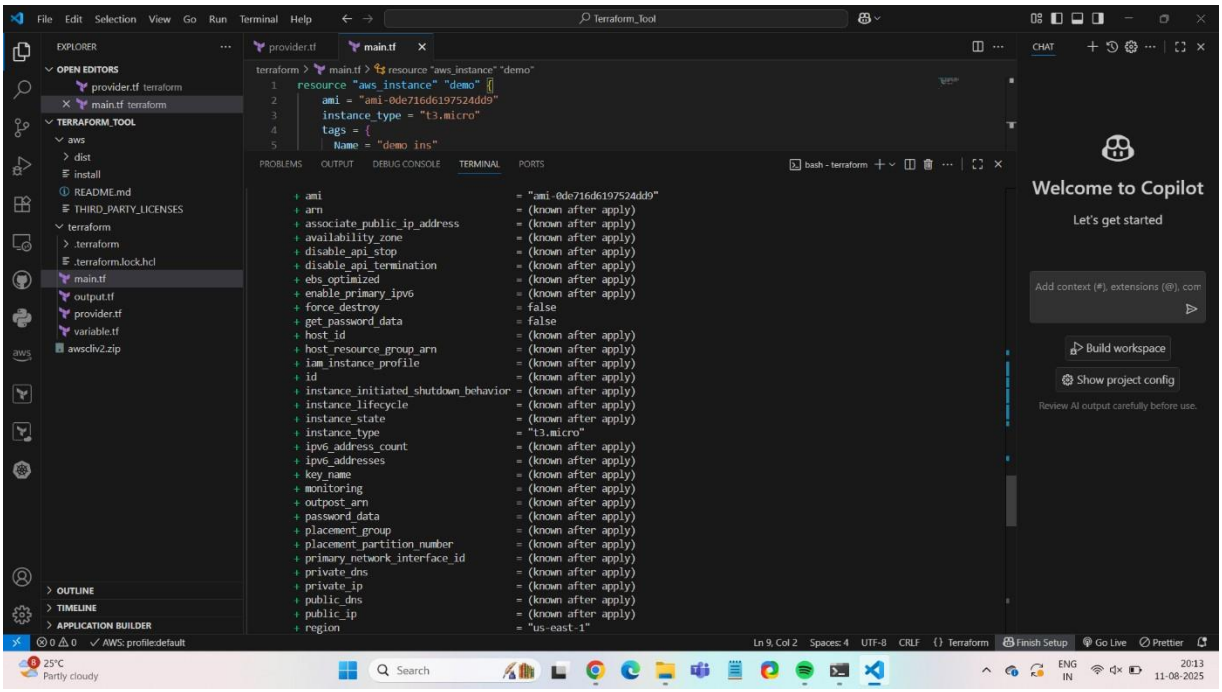
STEP 6 :- Now write below script in main.tf. **resource “aws_instance” “demo” { ami = “ami-ID” instance_type = “t2.micro” tags = { Name = “demo-ins” } }**

After writing script fetch command **terraform init** to initialize the terraform. Here **terraform.lock.hd** file will be created.



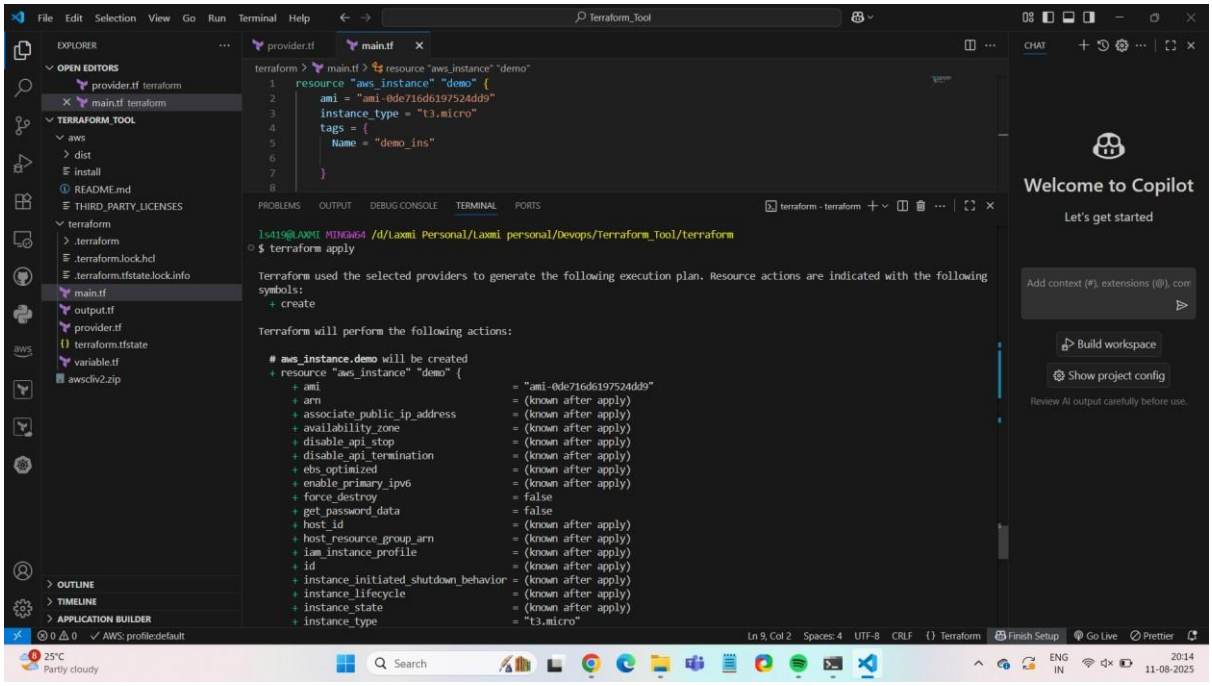
STEP 7 :- Now fetch next command terraform plan to check the input given by you and terraform flow to execute the command. **terraform plan**



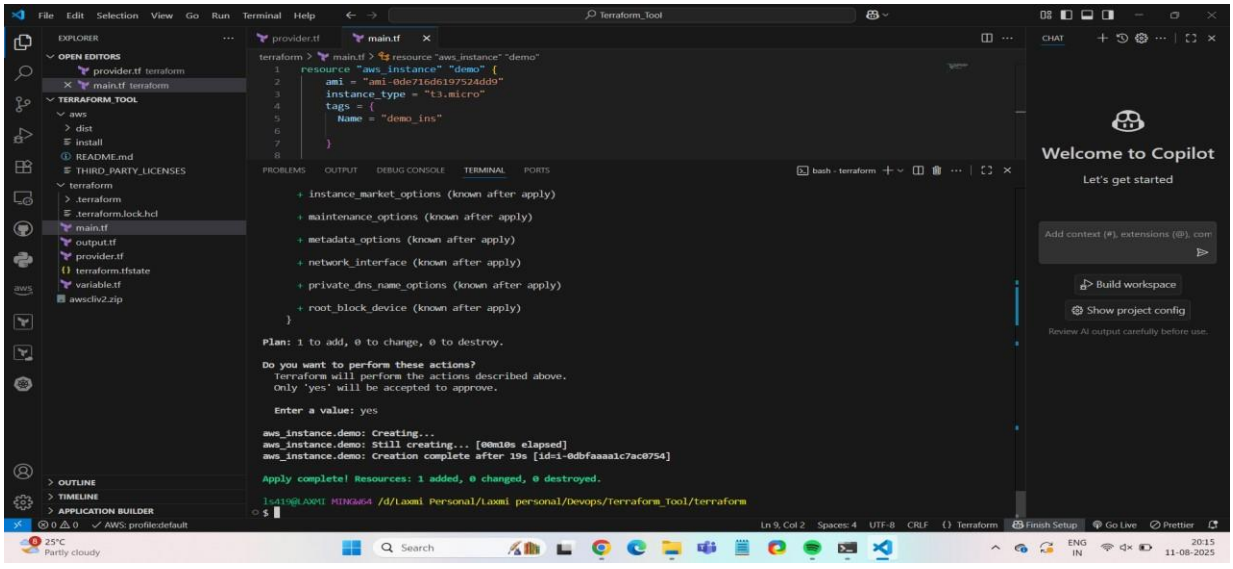


STEP 8 :- Now fetch below command **terraform apply** to run the script return inside main.tf and provider.tf.

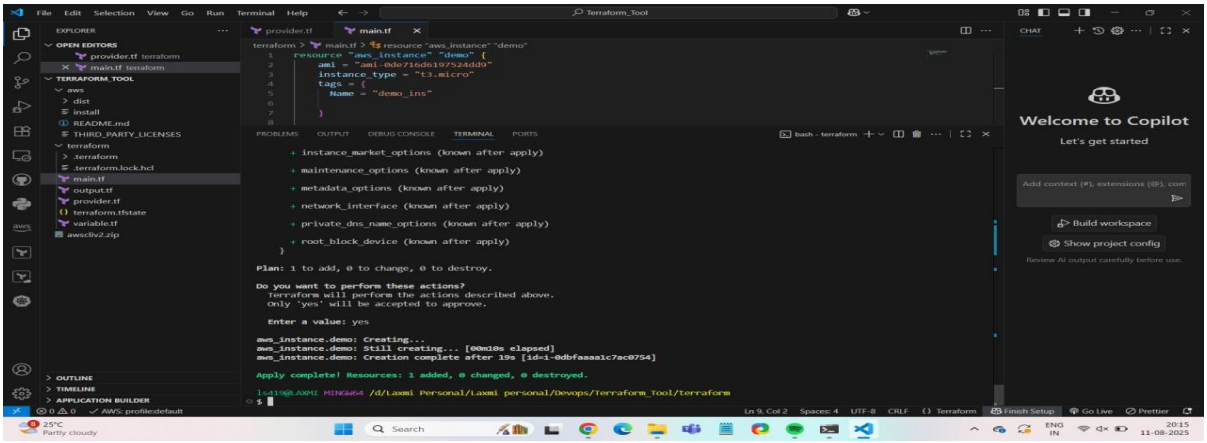
.terraform.tfstate.lock.info and **terraform.tfstate** files will be created.

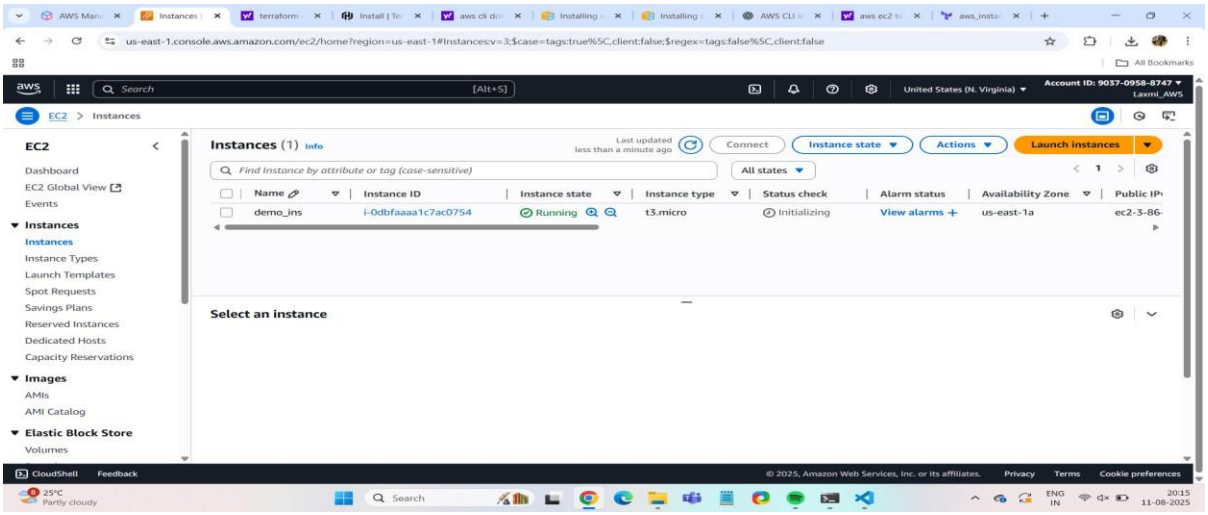


STEP 9 :- Give confirmation by typing **yes**.



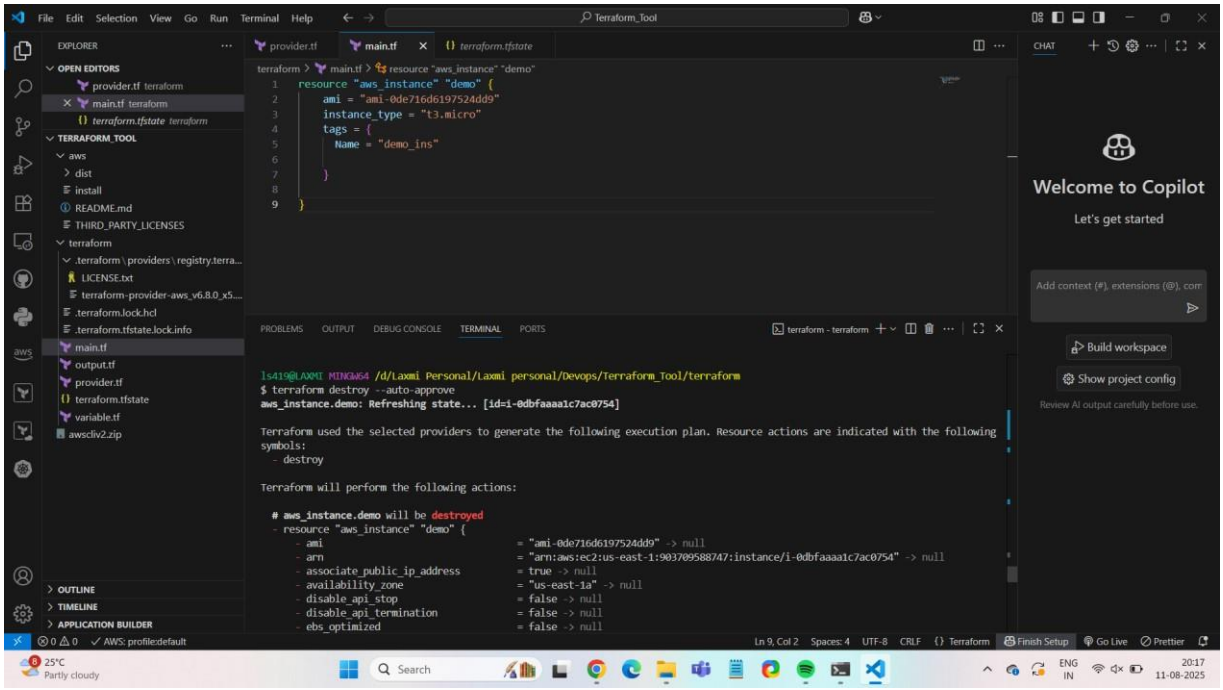
STEP 10 :- Now check that you're script will be executed and changes will be executed. Instance will be created automatically.

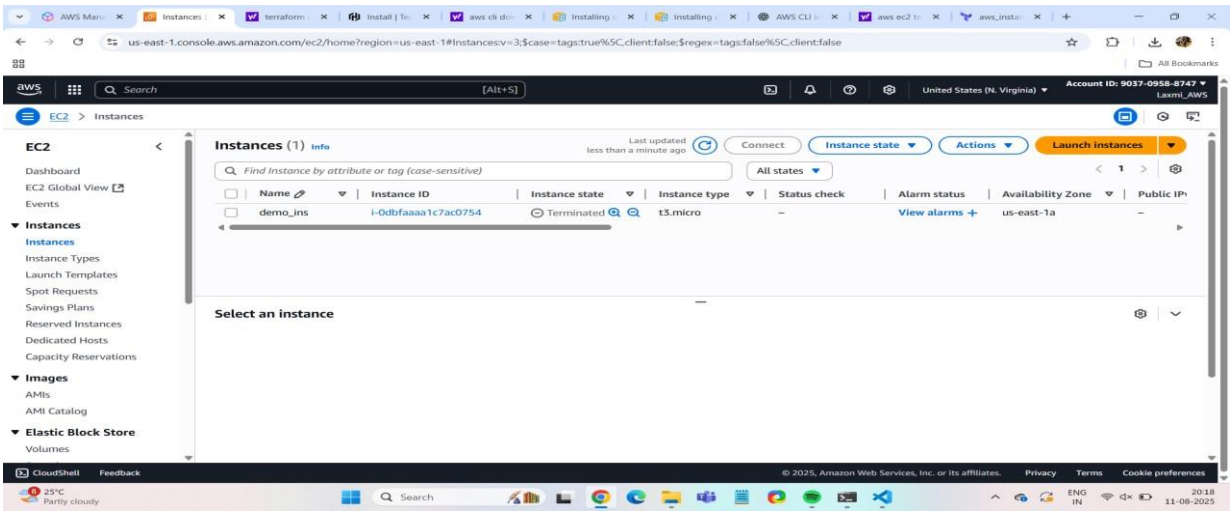




STEP 11 :- Now fetch the command **terraform destroy** if you type **No** then the script will not be executed.

Now apply command **terraform apply --auto-approve**
here it will not ask for permission and script to delete the instance will be executed and check instance got delete or not.


File Edit Selection View Go Run Terminal Help
Terraform_Tool
EXPLORER
OPEN EDITORS
provider.tf terraform
main.tf terraform
terraform.tfstate terraform
TERRAFORM_TOOL
aws
dist
install
README.md
THIRD_PARTY_LICENSES
terraform
.terraform\providers\registry.terra...
LICENSE.txt
terraform-provider-aws_v6.8.0_x5....
.terraform.lock.hcl
.terraform.tfstate.lock.info
main.tf
output.tf
provider.tf
terraform.tfstate
variable.tf
awscliv2.zip
OUTLINE
TIMELINE
APPLICATION BUILDER
provider.tf
main.tf
terraform.tfstate
terraform > main.tf > resource "aws_instance" "demo"
resource "aws_instance" "demo" {
ami = "ami-0de716d6197524dd9"
instance_type = "t3.micro"
tags = {
Name = "demo_ins"
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
terraform - terraform
ls419@LAXMI MINGW64 /d/Laxmi Personal/Laxmi personal/Devops/Terraform_Tool/terraform
$ terraform destroy --auto-approve
aws_instance.demo: Refreshing state... [id=i-0dbfaaaa1c7ac0754]
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.demo will be destroyed
- resource "aws_instance" "demo" {
- ami = "ami-0de716d6197524dd9" -> null
- arn = "arn:aws:ec2:us-east-1:903709588747:instance/i-0dbfaaaa1c7ac0754" -> null
- associate_public_ip_address = true -> null
- availability_zone = "us-east-1a" -> null
- disable_api_stop = false -> null
- disable_api_termination = false -> null
- ebs_optimized = false -> null
CHAT
Welcome to Copilot
Let's get started
Add context (#), extensions (@), com
Build workspace
Show project config
Review AI output carefully before use.
Ln 9, Col 2
Spaces: 4
UTF-8
CRLF
Terraform
Finish Setup
Go Live
Prettier
AWS: profile:default
25°C
Partly cloudy
Search
ENG
IN
20:17
11-08-2025


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
Search
[Alt+S]
United States (N. Virginia)
Account ID: 9037-0958-8747
Laxmi_AWS
EC2 > Instances
EC2
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) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IP
demo_ins
i-0dbfaaaa1c7ac0754
Terminated
t3.micro
View alarms
us-east-1a
Select an instance
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
25°C
Partly cloudy
Search
ENG
IN
20:18
11-08-2025