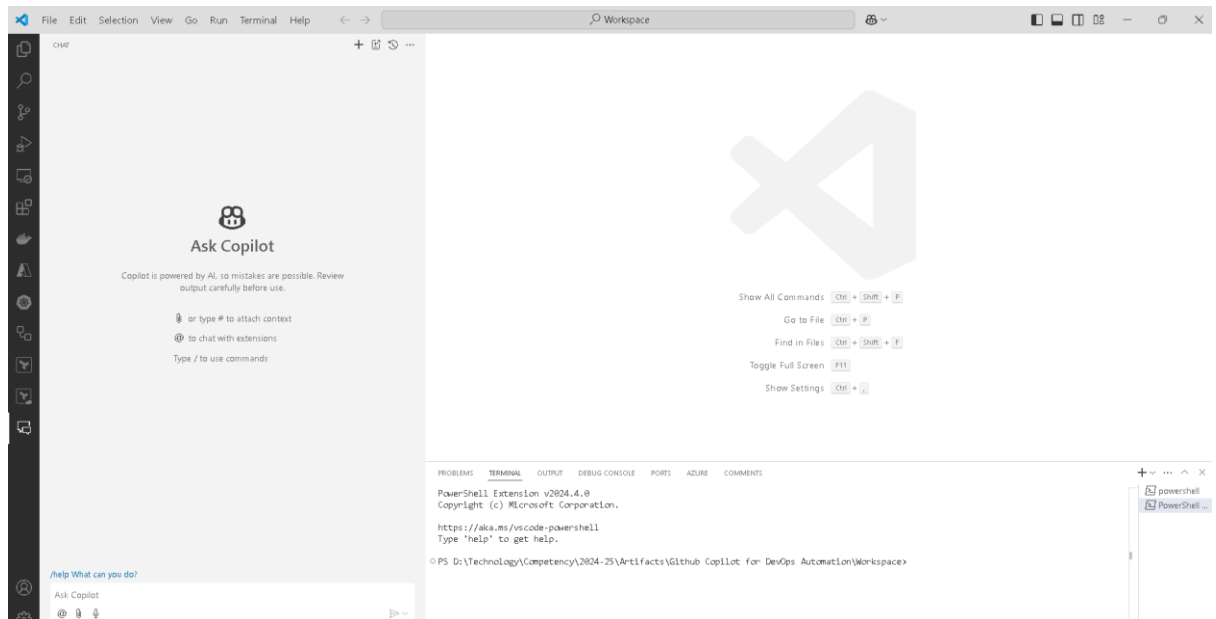
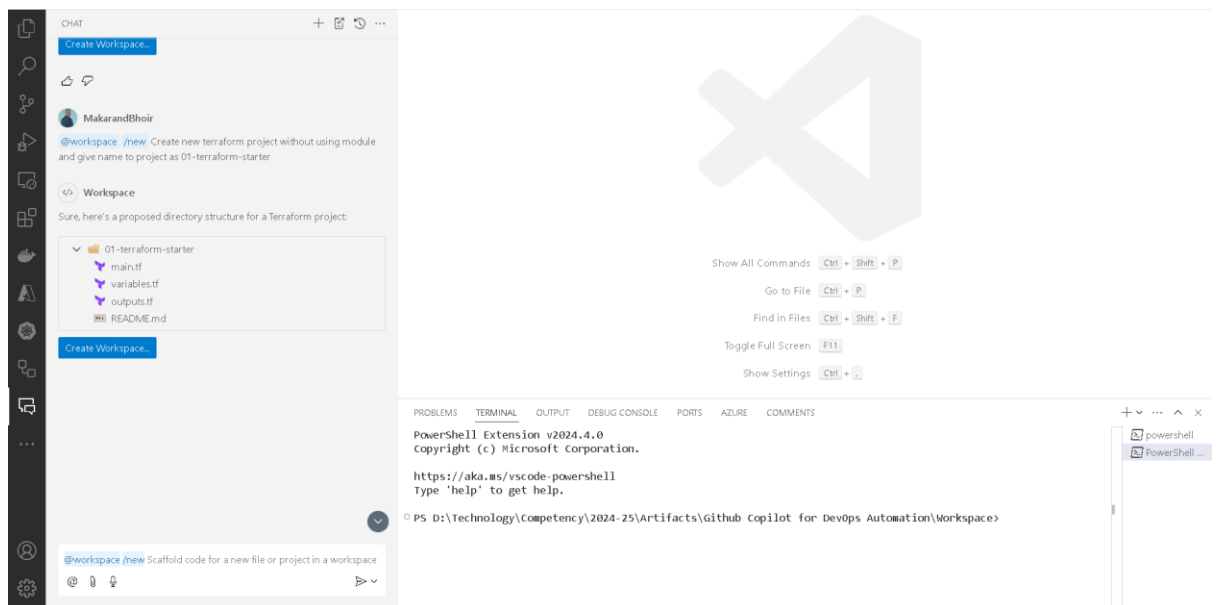


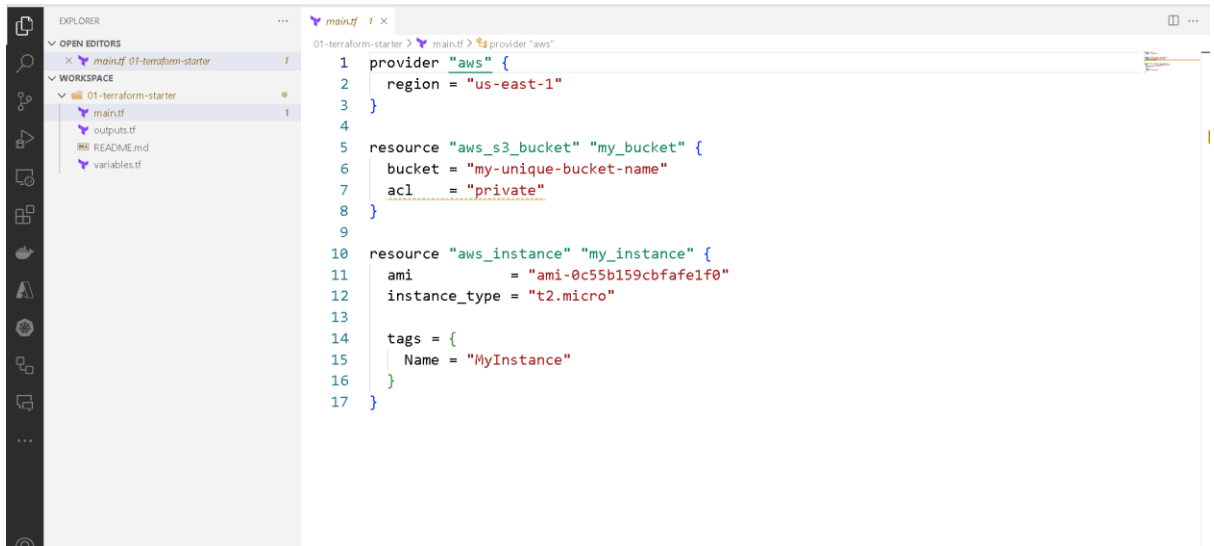
1. Open VS Code in any folder (workspace) → click on Copilot chat button that will open up “Ask Copilot” window



2. In Ask Copilot window → type “@workspace /new Create new terraform project without using module and give name to project as 01-terraform-starter”
  - a. @workspace is agent. There are few types of agent e.g. @workspace, @terminal, @vscode etc.
  - b. /new is command for creating new project and along with description



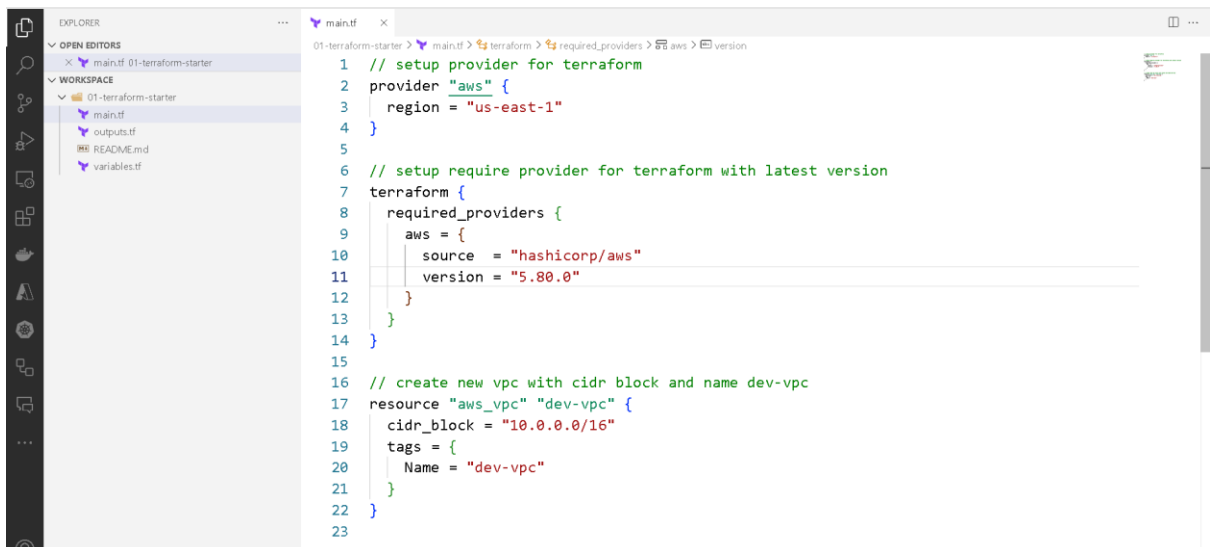
3. Click on “Create Workspace” button → It will ask you for parent folder select it
4. You will see your project in VS Code as 01-terraform-starter → open main.tf file



The screenshot shows the VS Code interface with a workspace named '01-terraform-starter'. The Explorer panel on the left shows the file structure: main.tf, outputs.tf, README.md, and variables.tf. The main editor displays the content of main.tf, which defines an AWS provider and two resources: an S3 bucket and an EC2 instance.

```
1 provider "aws" {  
2   region = "us-east-1"  
3 }  
4  
5 resource "aws_s3_bucket" "my_bucket" {  
6   bucket = "my-unique-bucket-name"  
7   acl    = "private"  
8 }  
9  
10 resource "aws_instance" "my_instance" {  
11   ami           = "ami-0c55b159cbf1e1f0"  
12   instance_type = "t2.micro"  
13  
14   tags = {  
15     Name = "MyInstance"  
16   }  
17 }
```

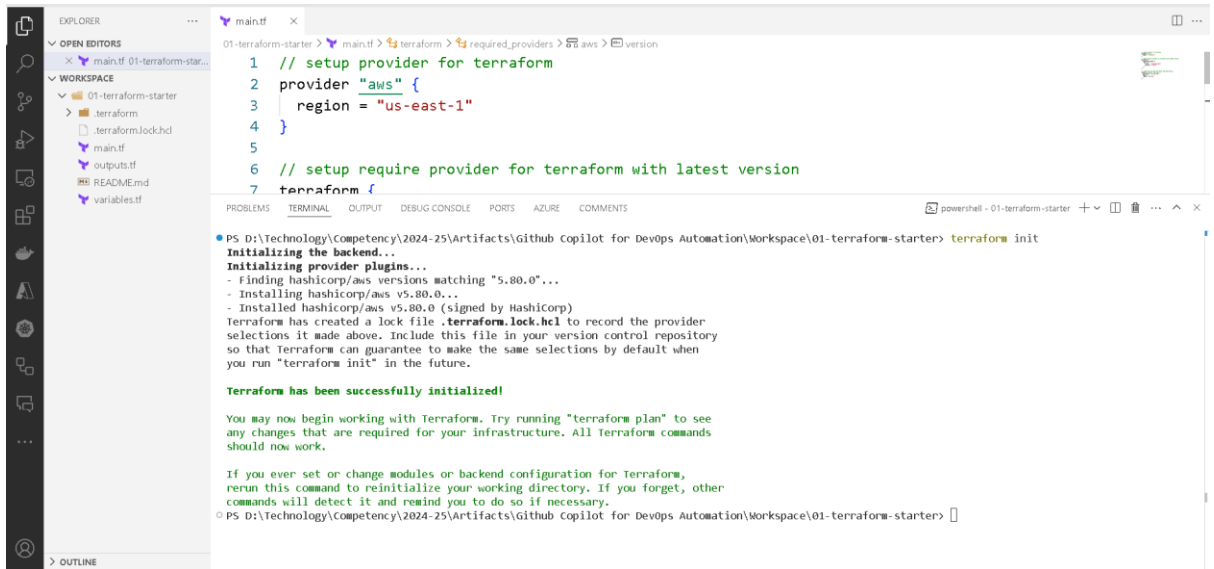
5. Delete all contents of main.tf and give following prompt for copilot for setting up provider and version
  - a. // setup provider for terraform
  - b. // setup require provider for terraform with latest version
  - c. // create new vpc with cidr block and name dev-vpc



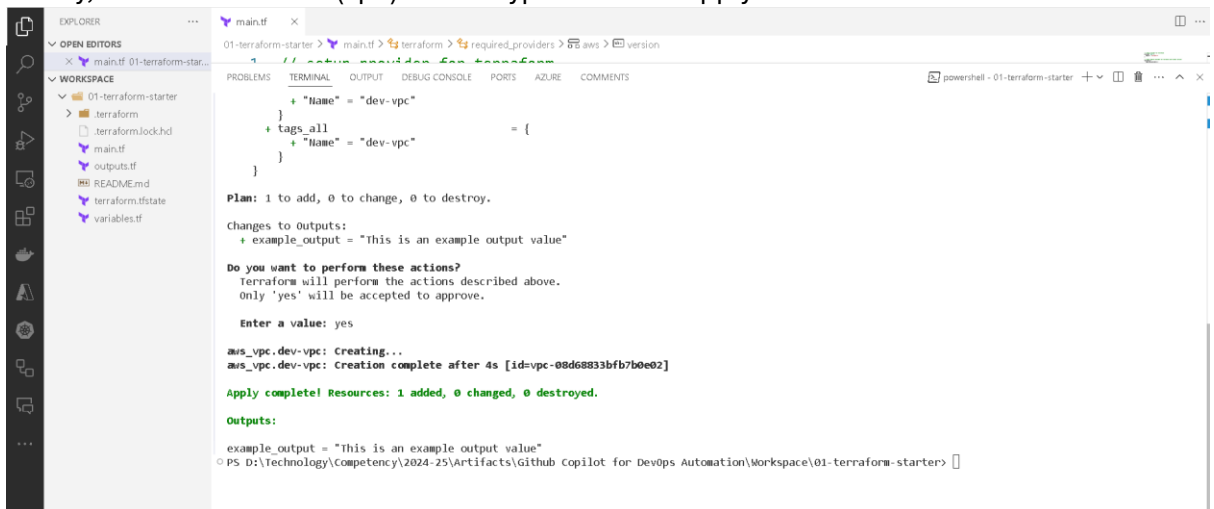
The screenshot shows the VS Code interface with the same workspace. The main editor displays the updated content of main.tf, which now includes comments for each section, the provider definition, the required\_providers block for the latest version of AWS, and the VPC resource definition.

```
1 // setup provider for terraform  
2 provider "aws" {  
3   region = "us-east-1"  
4 }  
5  
6 // setup require provider for terraform with latest version  
7 terraform {  
8   required_providers {  
9     aws = {  
10      source = "hashicorp/aws"  
11      version = "5.80.0"  
12    }  
13  }  
14 }  
15  
16 // create new vpc with cidr block and name dev-vpc  
17 resource "aws_vpc" "dev-vpc" {  
18   cidr_block = "10.0.0.0/16"  
19   tags = {  
20     Name = "dev-vpc"  
21   }  
22 }  
23
```

6. Open terminal in VS Code → go to project and type terraform init



7. Check your template is correct type terraform validate
8. Finally, to create resource (vpc) in AWS type terraform apply



9. Check if vpc is created in your AWS account.

