

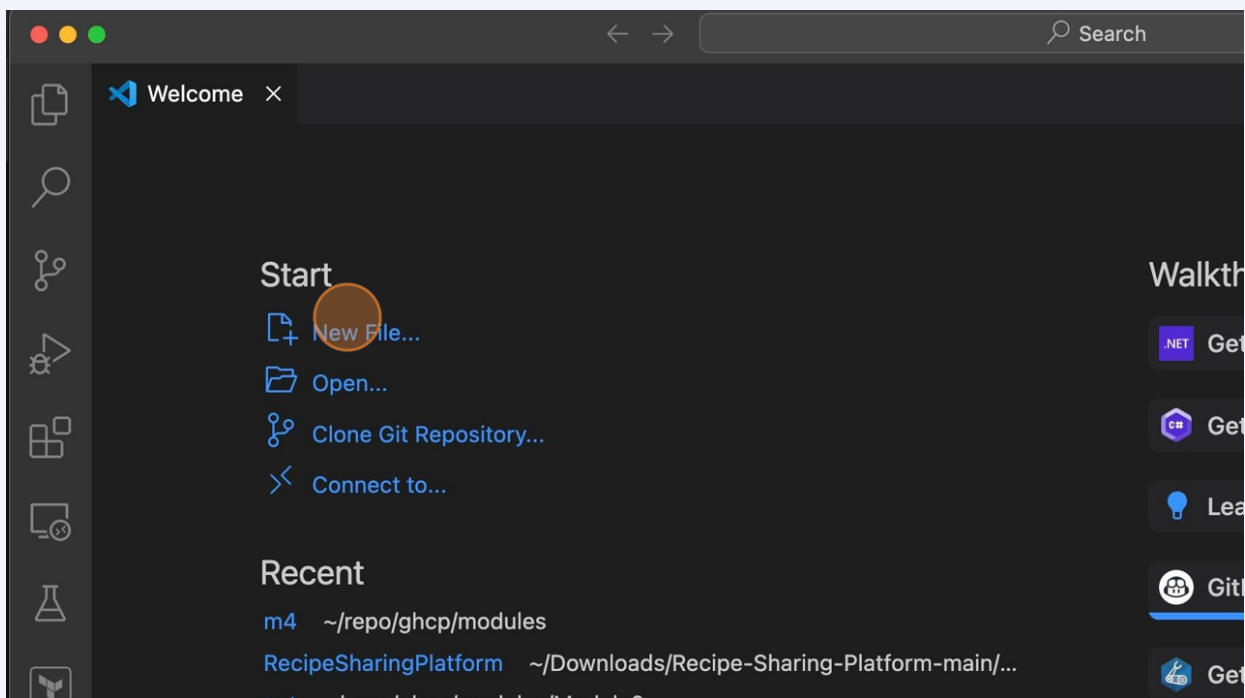
M6 Use GitHub copilot to create Terraform files and configuration scripts

1

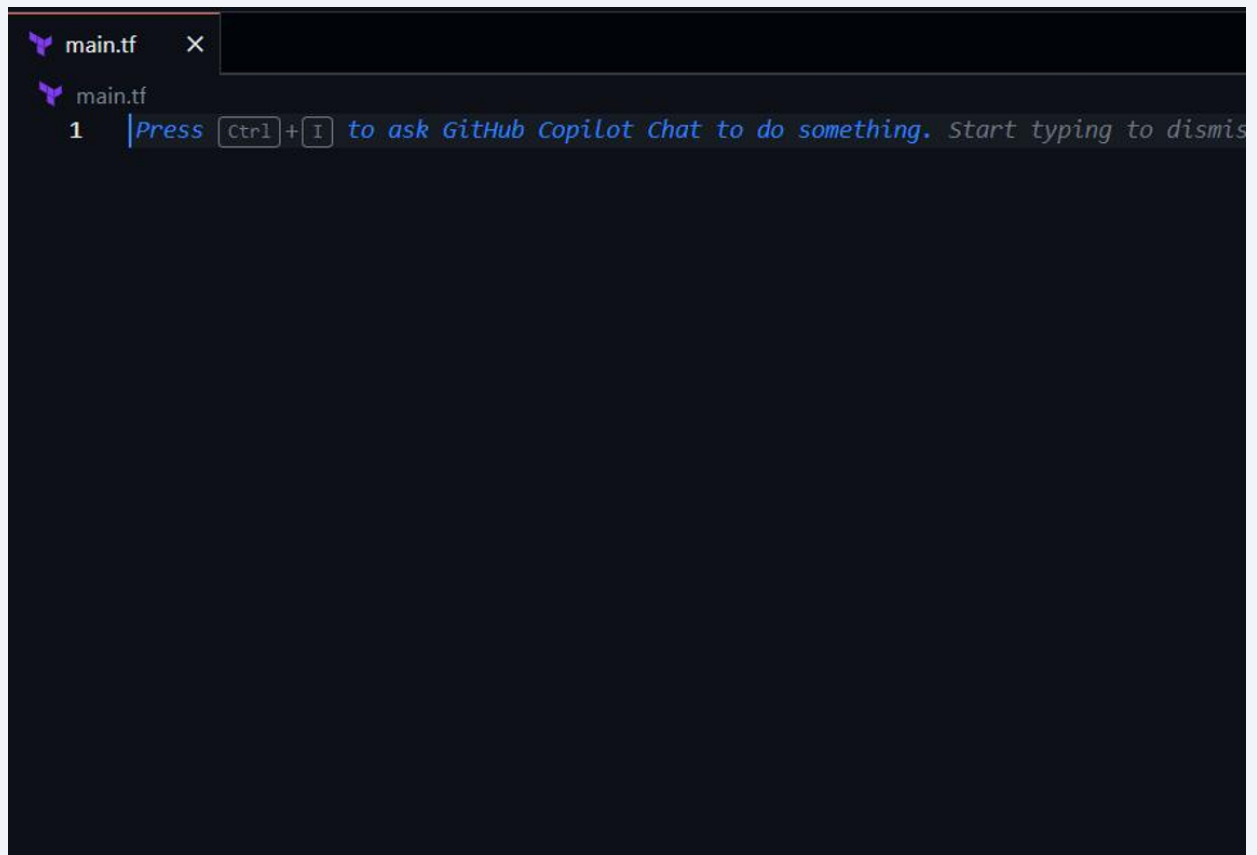
In this tutorial you will use GitHub Copilot to make Terraform files and configuration scripts

2

Start off by opening VS Code and creating new file named main.tf



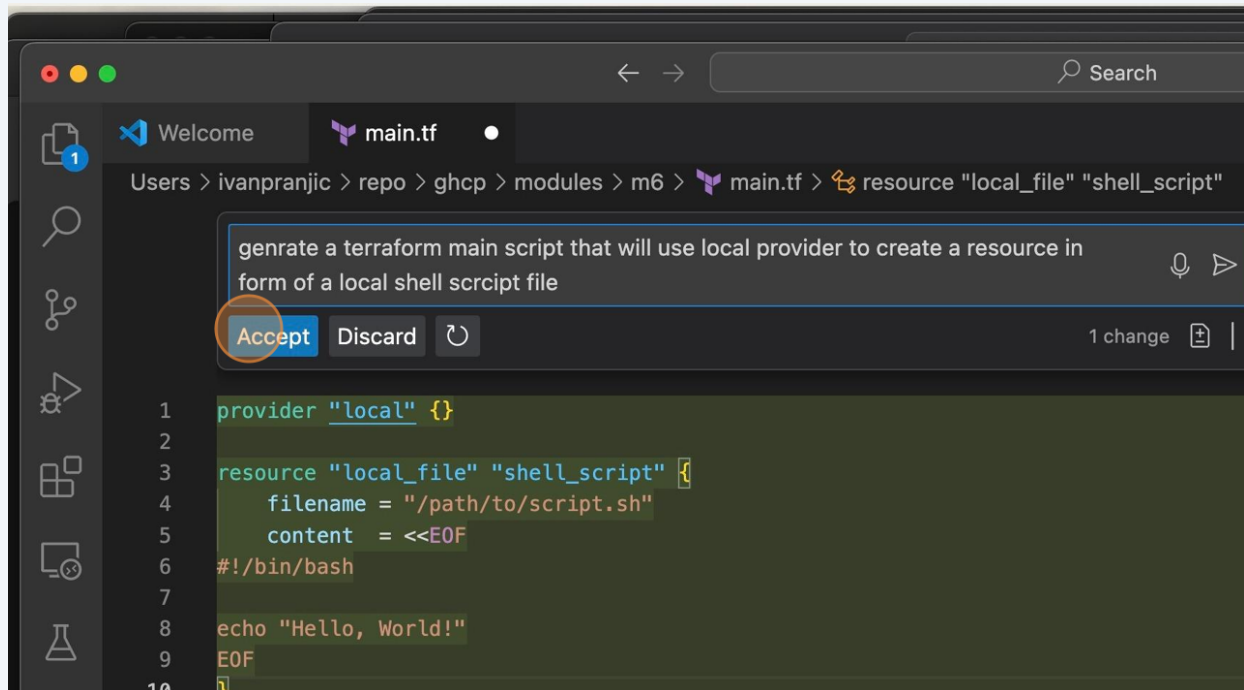
- 3 Open main.tf and try to invoke GitHub Copilot by pressing CTRL + I



4

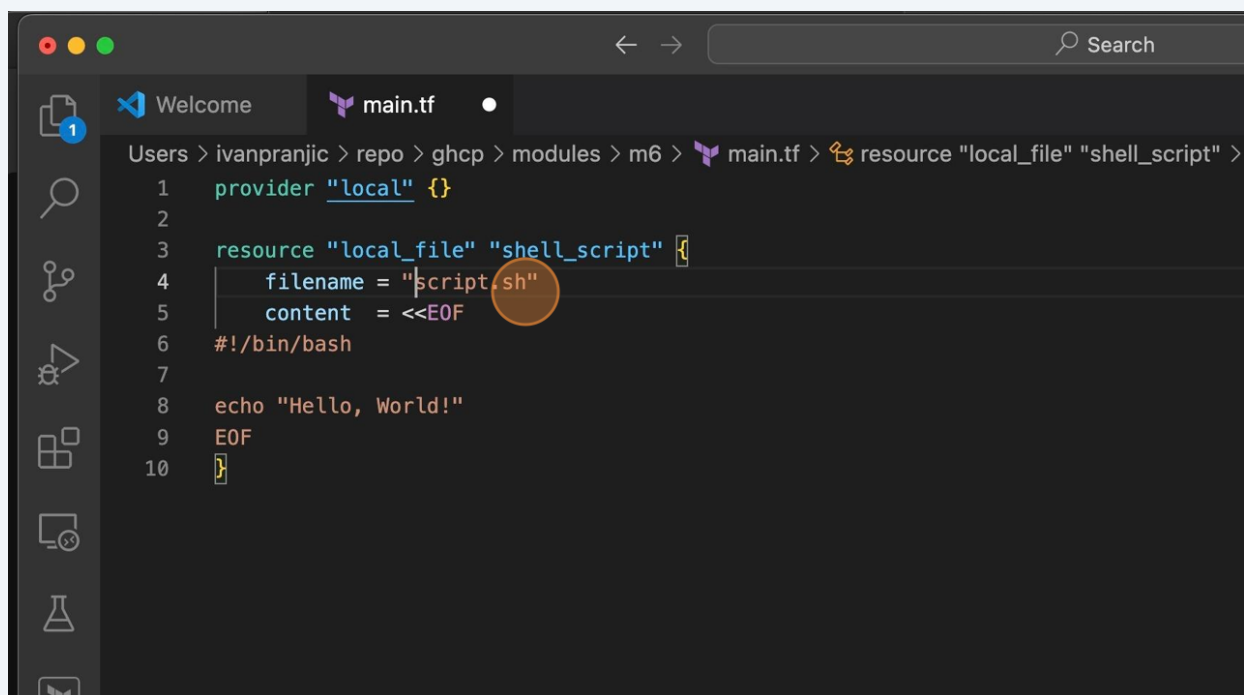
Pass this prompt to GitHub Copilot to create terraform script:

Generate a terraform main script that will use local provider to create a resource in form of a local shell script file.



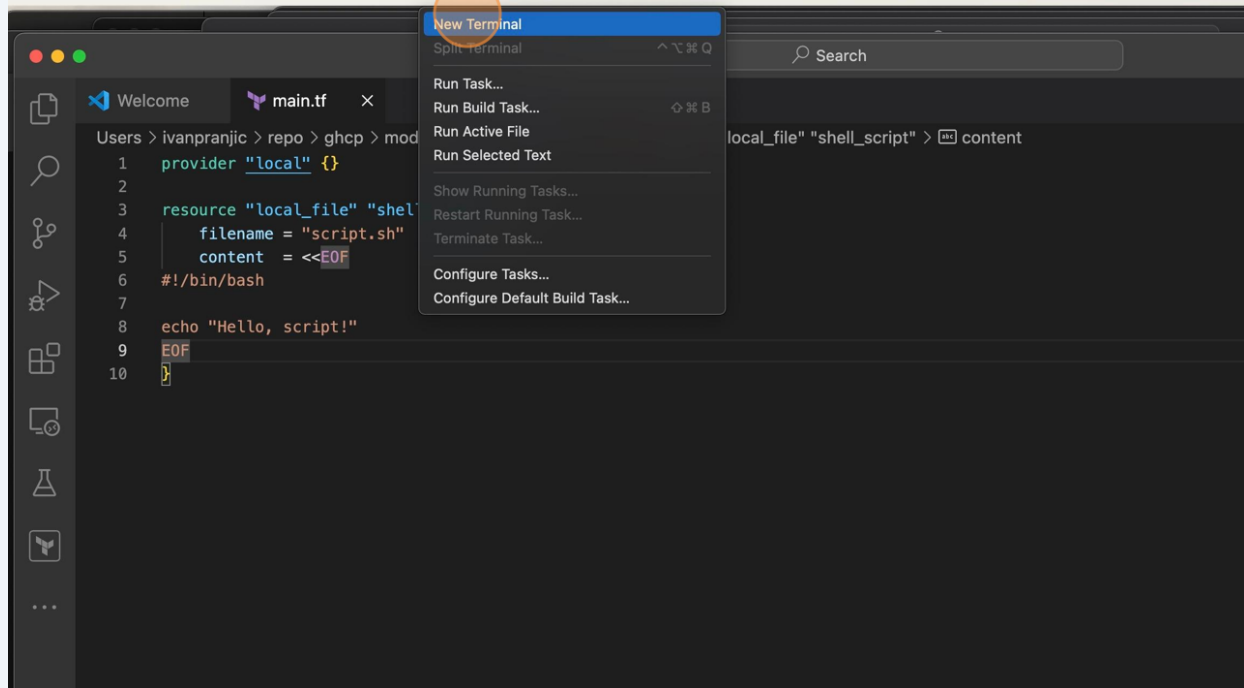
5

If your `main.tf` looks like this, save it and move on.



6

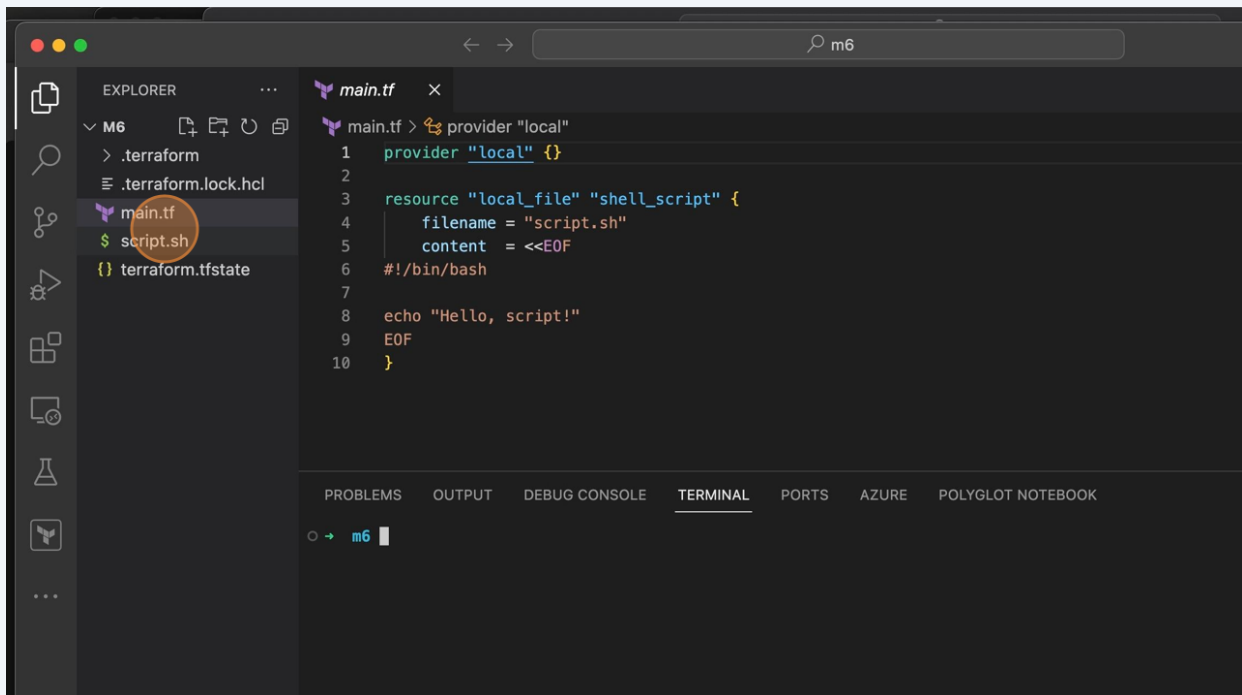
Next we should use terraform to create our script.sh
Open new terminal by clicking on "New Terminal".



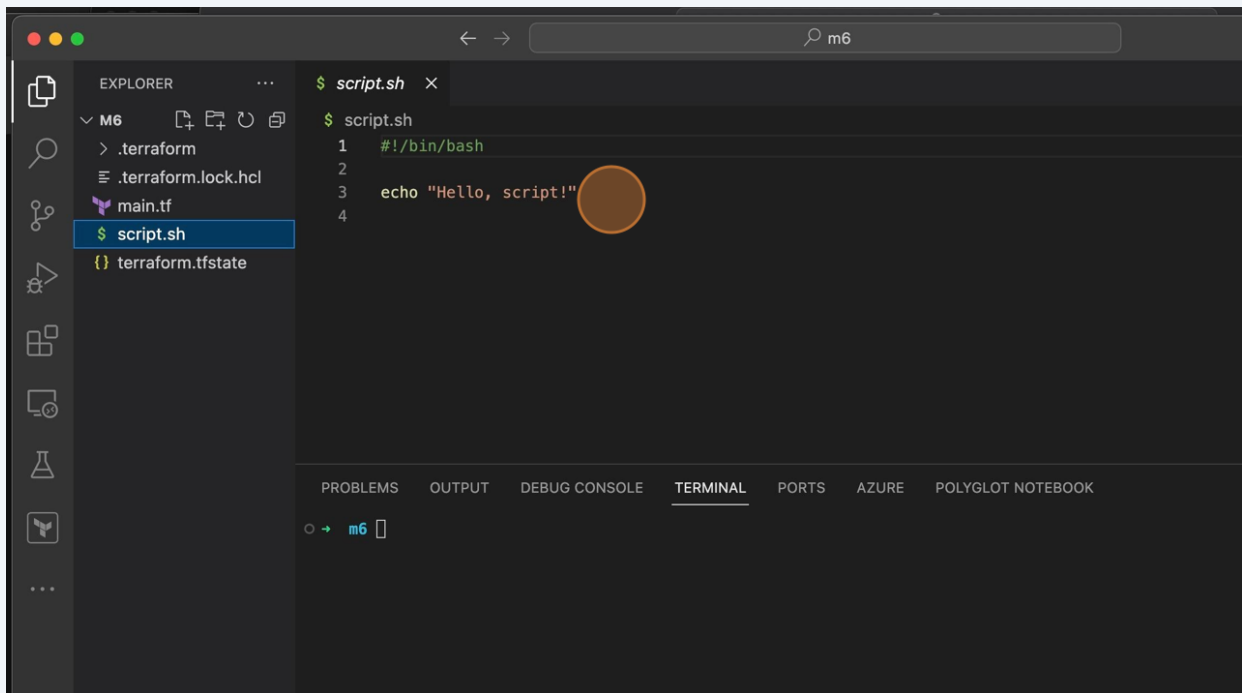
7

To initialize Terraform in the folder where the main.tf is, run "terraform init", and after that "terraform plan" and "terraform apply" respectively

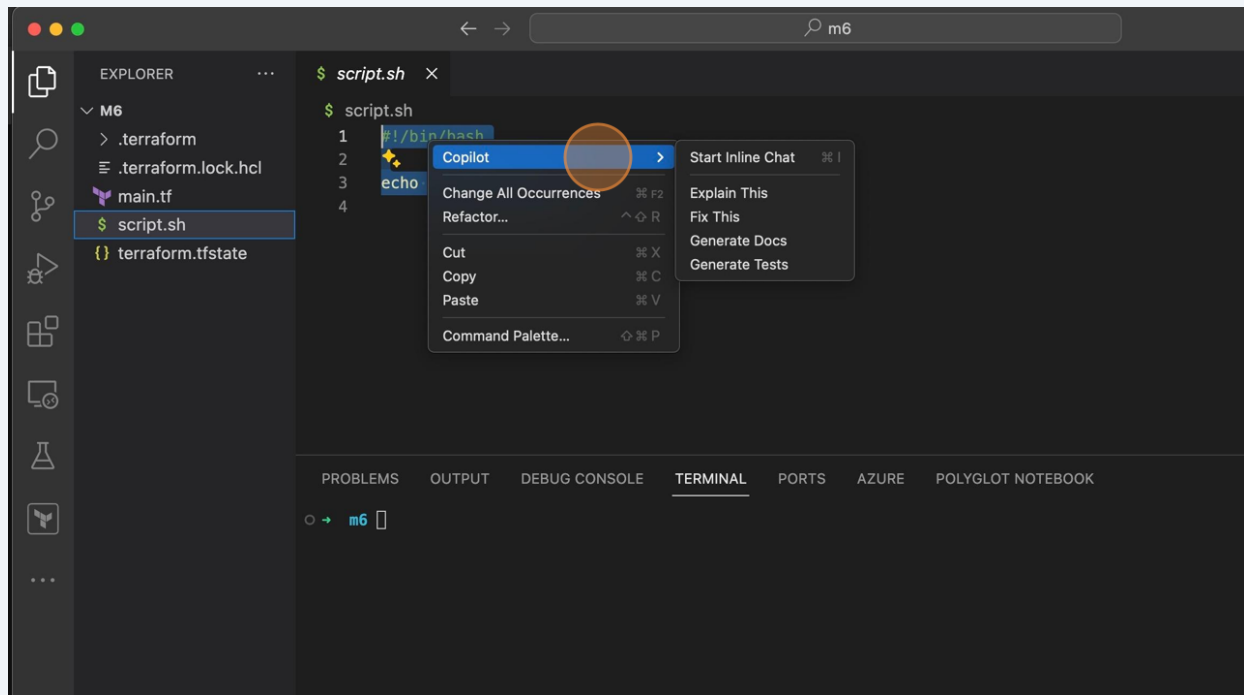
- 8 If you look into file explorer, you can now see that the "script.sh" has been created



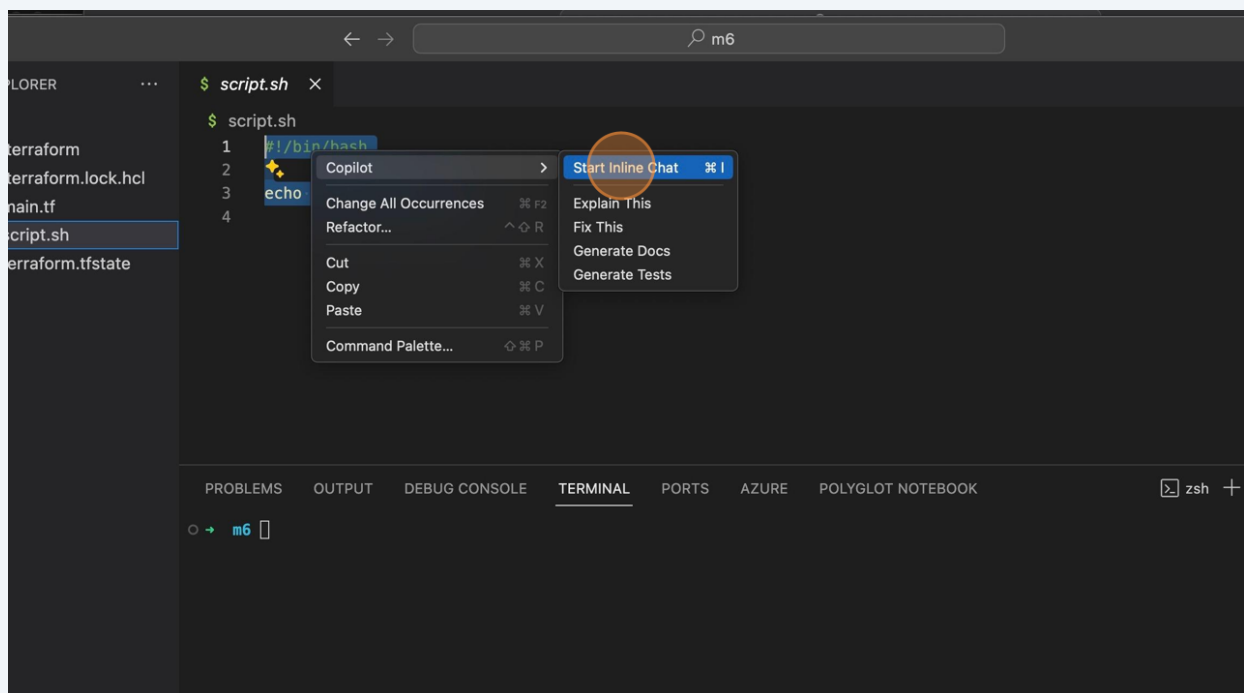
- 9 Now you would modify script with help from GitHub Copilot. Open "script.sh"



10 Try to invoke Copilot by right clicking and choosing "Copilot"



11 Click "Start Inline Chat"



12

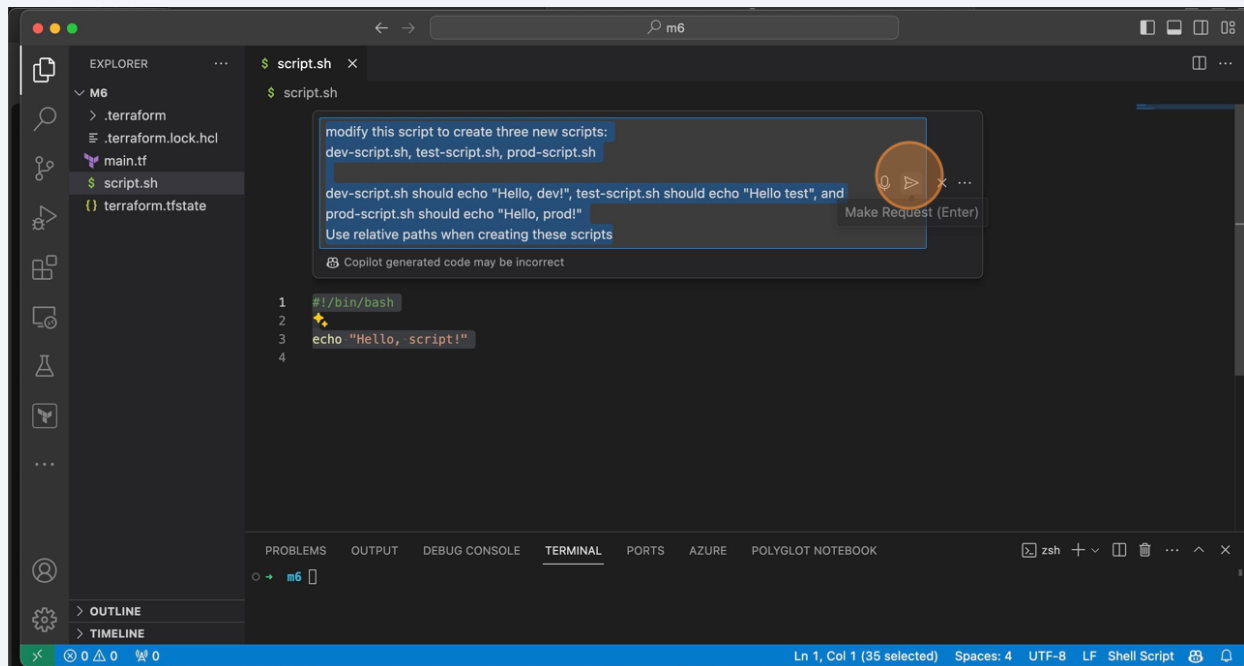
Now feed GitHub Copilot with this prompt to modify script:

modify this script to create three new scripts:

[dev-script.sh](#), [test-script.sh](#), [prod-script.sh](#)

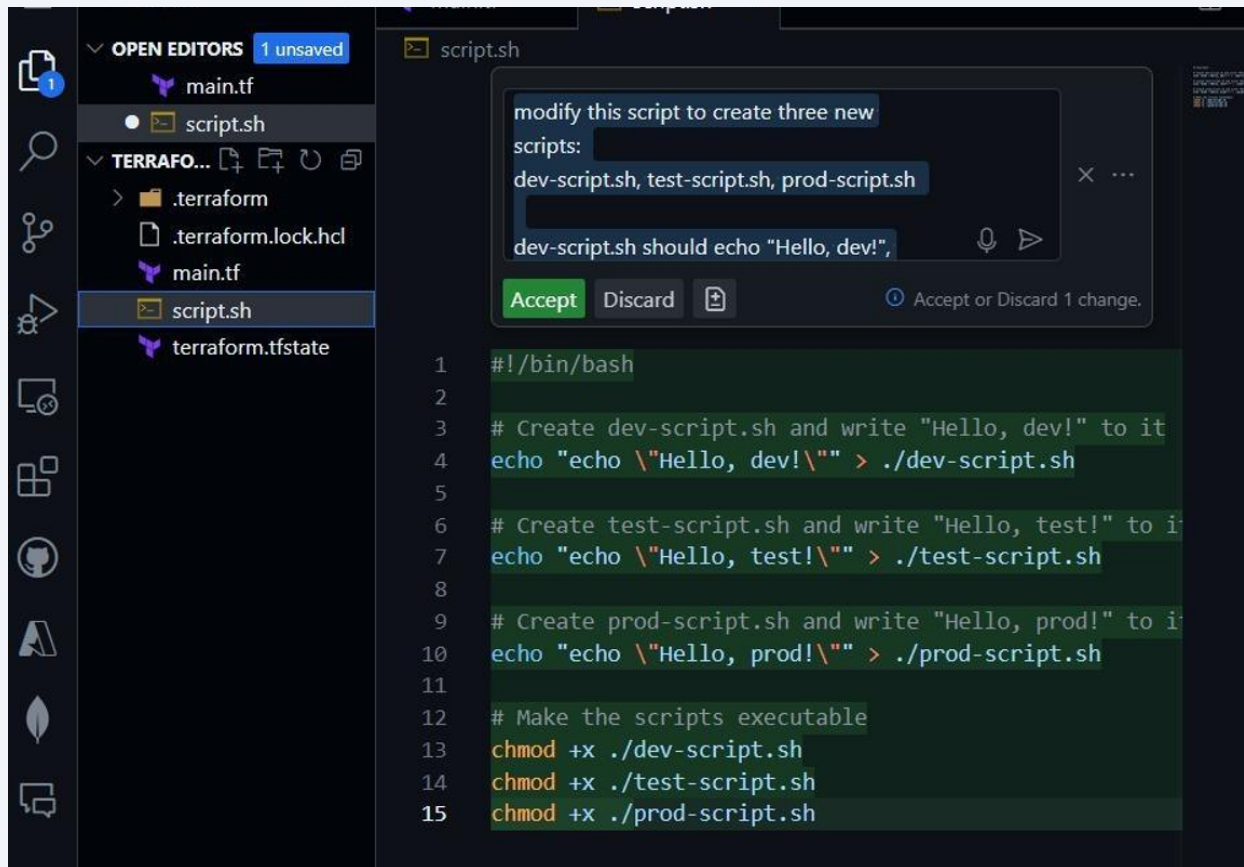
[dev-script.sh](#) should echo "Hello, dev!", [test-script.sh](#) should echo "Hello test" and prod-script should echo "Hello , prod"

Use relative paths when creating these scripts



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GitHub Copilot will modify your script in a blink of an eye. To continue with the code suggested, click "Accept" and save script.sh



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar shows a project structure with files like main.tf, script.sh, and terraform.tfstate. The script.sh file is open in the editor. A GitHub Copilot suggestion box is overlaid on the code, showing a prompt to modify the script to create three new scripts: dev-script.sh, test-script.sh, and prod-script.sh. The suggestion includes the following code:

```
#!/bin/bash
# Create dev-script.sh and write "Hello, dev!" to it
echo "echo \"Hello, dev!\"" > ./dev-script.sh
# Create test-script.sh and write "Hello, test!" to it
echo "echo \"Hello, test!\"" > ./test-script.sh
# Create prod-script.sh and write "Hello, prod!" to it
echo "echo \"Hello, prod!\"" > ./prod-script.sh
# Make the scripts executable
chmod +x ./dev-script.sh
chmod +x ./test-script.sh
chmod +x ./prod-script.sh
```

The suggestion box has an "Accept" button and a "Discard" button. Below the buttons, it says "Accept or Discard 1 change."

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Congratulations! You have successfully built your terraform files and scripts with the assistance of GitHub Copilot!