**Lab Exercise 5–Provisioning an S3 Bucket on AWS**

**Exercise Steps:**

**Step 1: Create a New Directory:**

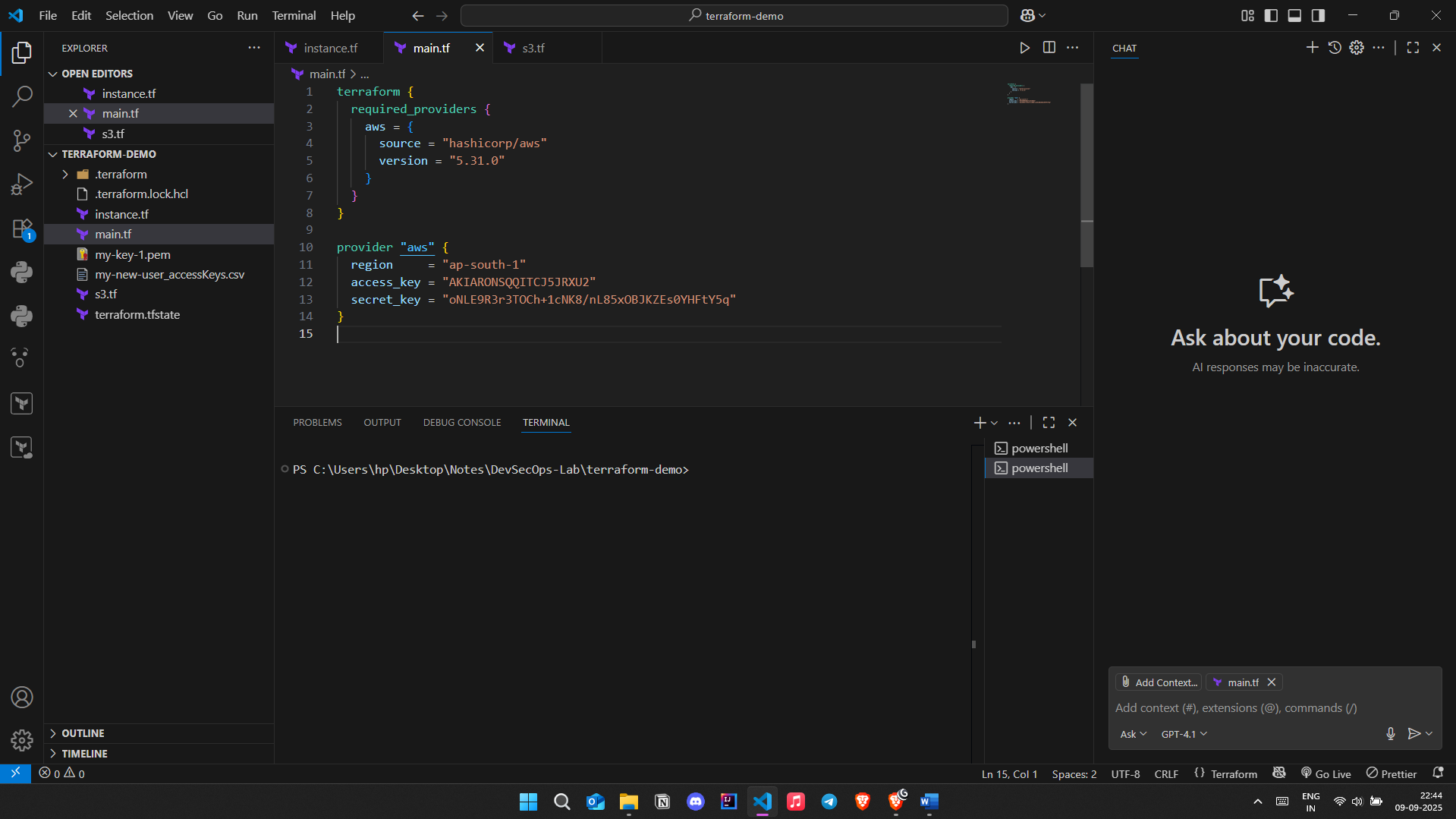
Create a new directory to store your Terraform configuration:

mkdir Terraform-S3-Demo

cd Terraform-S3-Demo

**Step 2: Create the Terraform Configuration File (main.tf):**

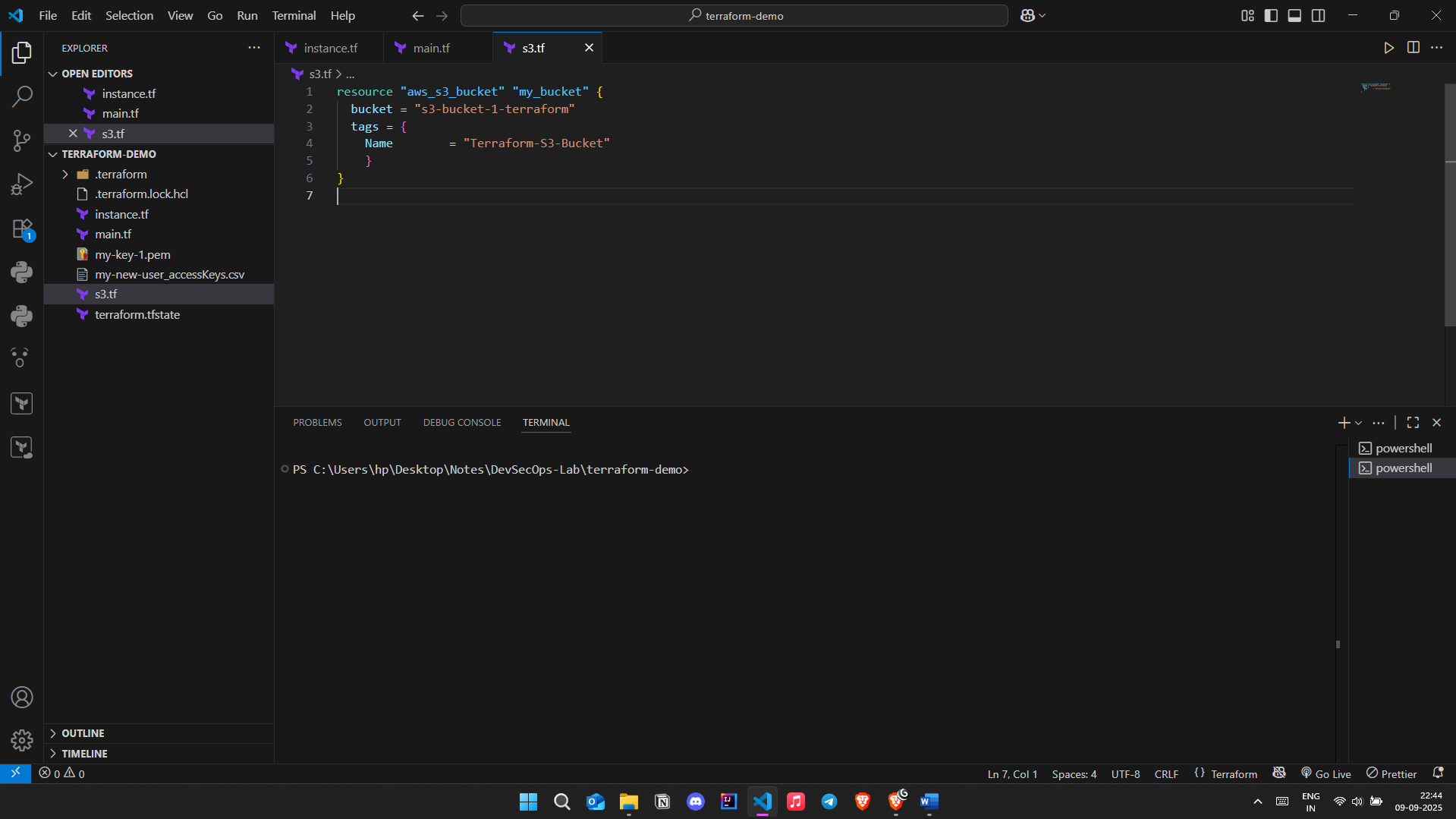
Create a file named main.tf with the following content:



This file sets up the Terraform AWS provider.

**Step 3: Create a Terraform Configuration File for the S3 Bucket (s3.tf):**

Create another file named s3.tf with the following content:



This file provisions an S3 bucket with a unique name using a random string suffix.

**Step 4: Initialize Terraform:**

Run the following command to initialize your Terraform working directory:

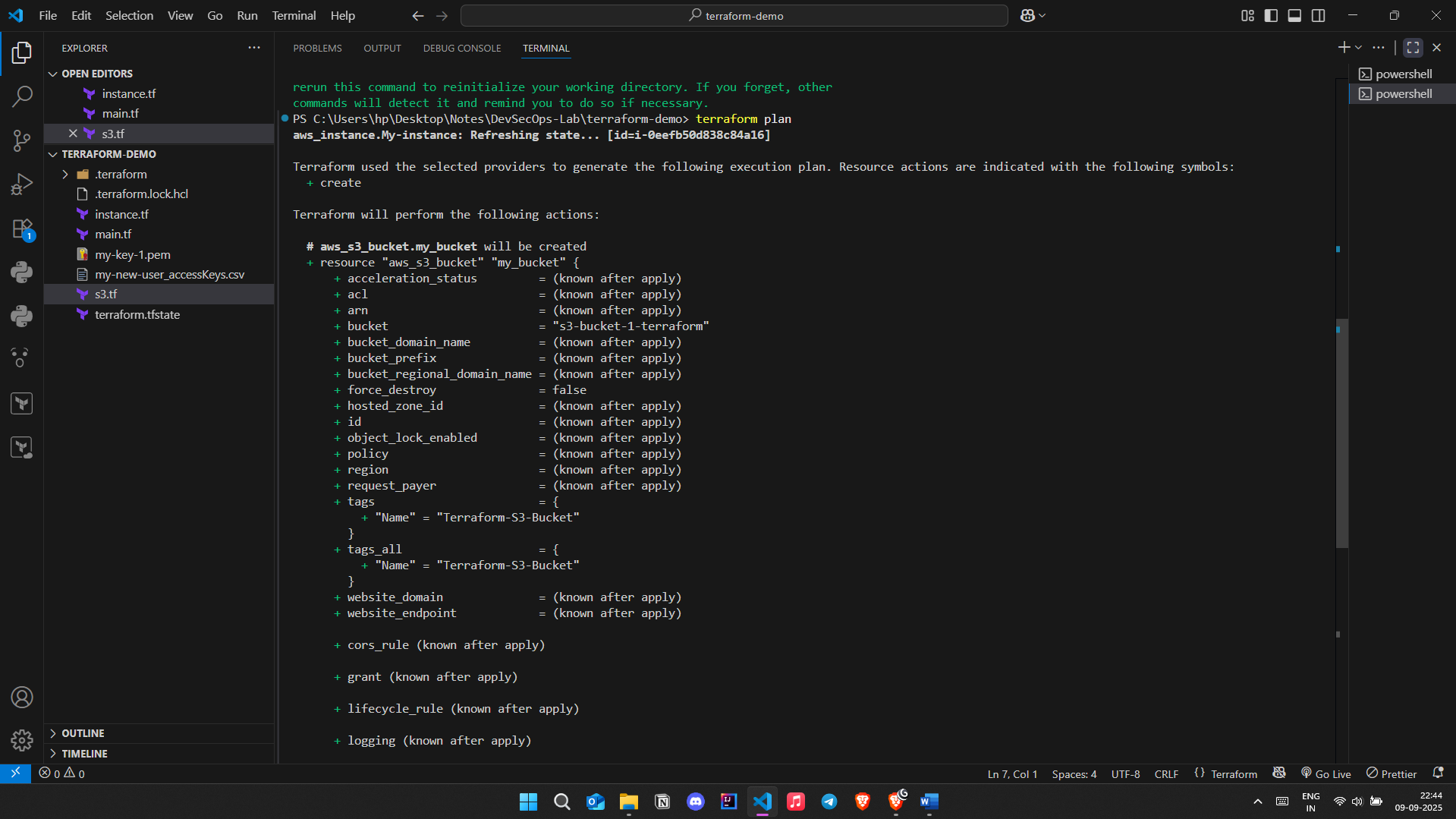
terraform init

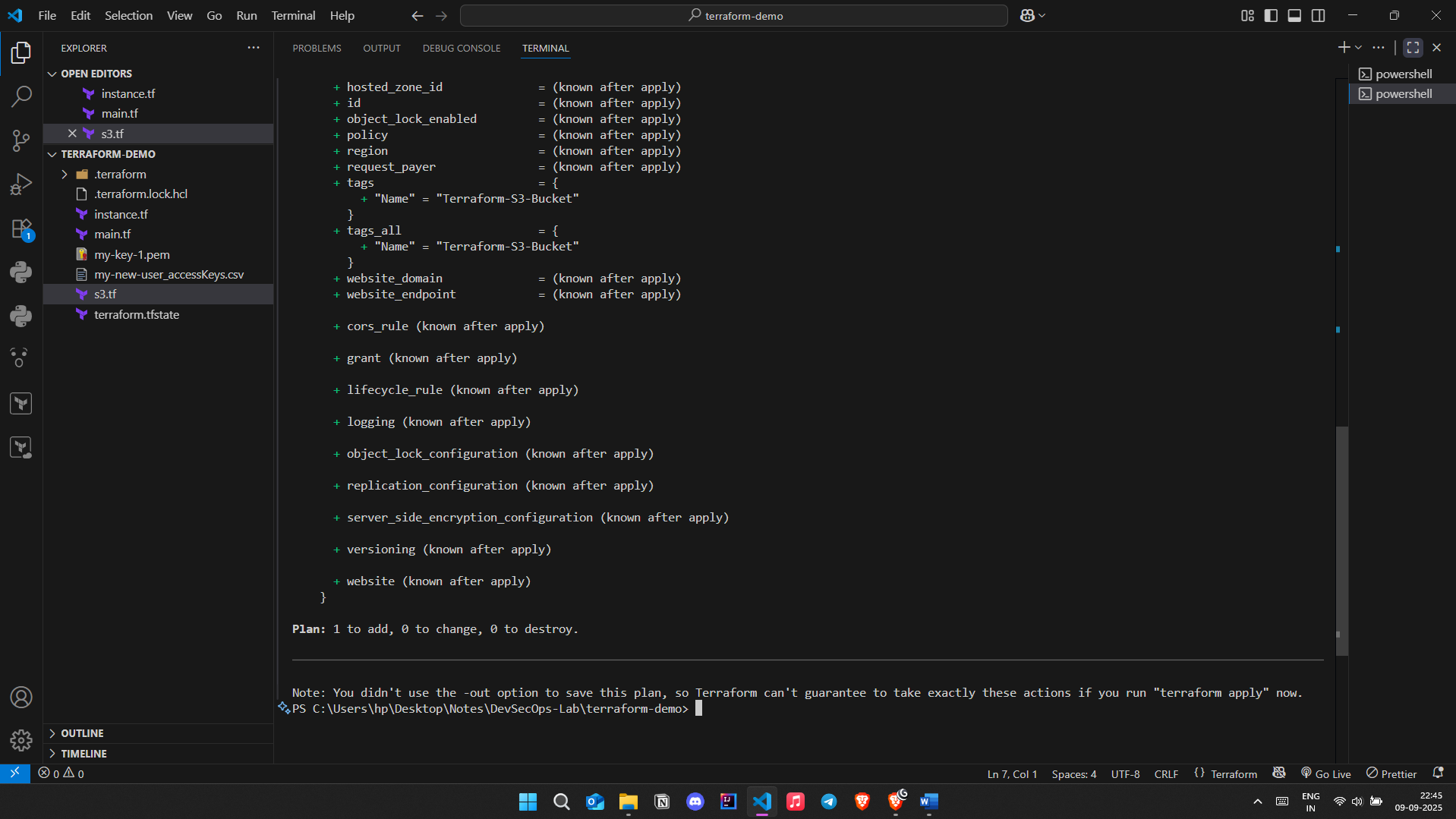
**Step 5: Review the Plan:**

Preview the changes Terraform will make:

terraform plan

**Output:**

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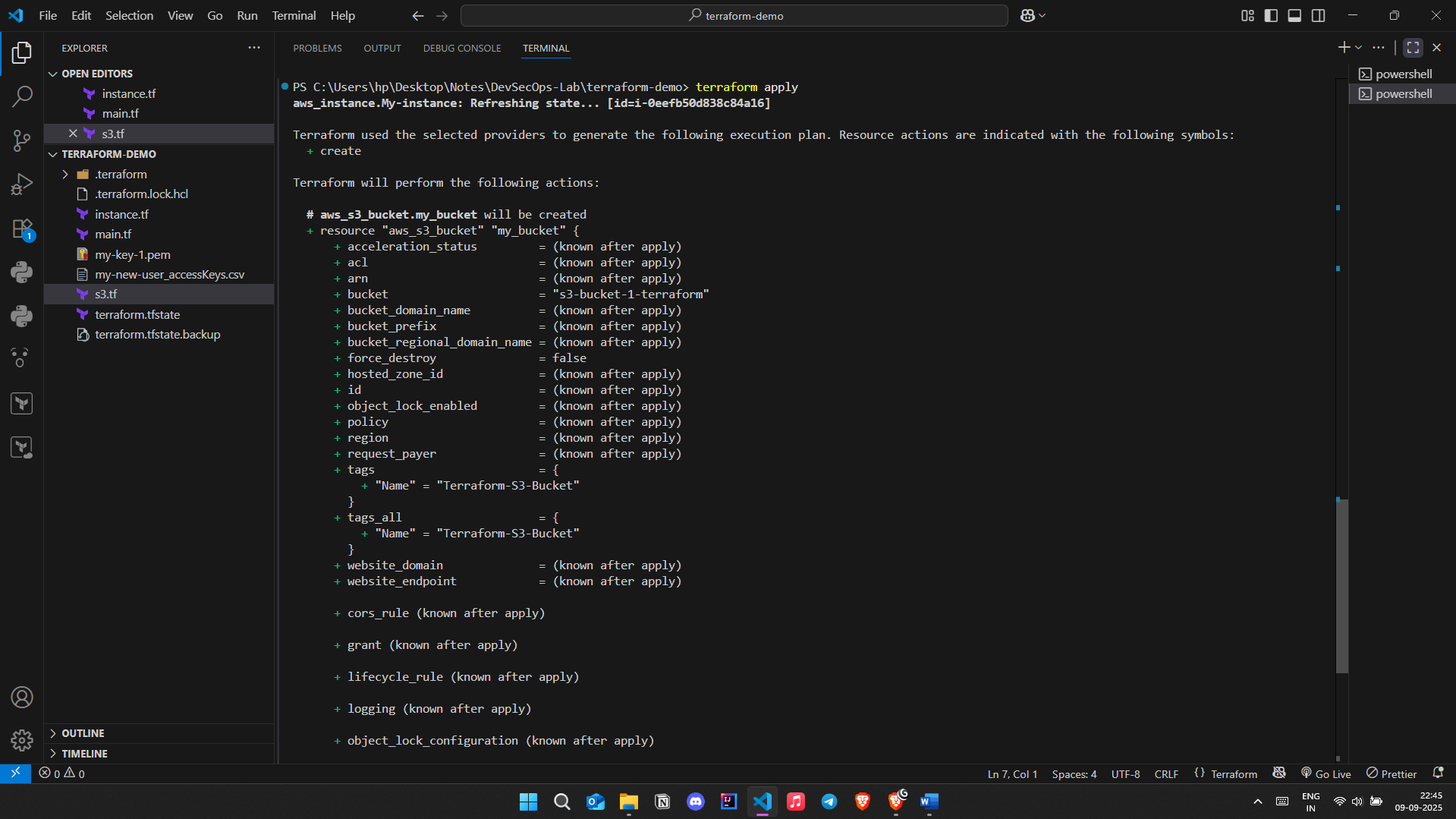
**Step 6: Apply the Changes:**

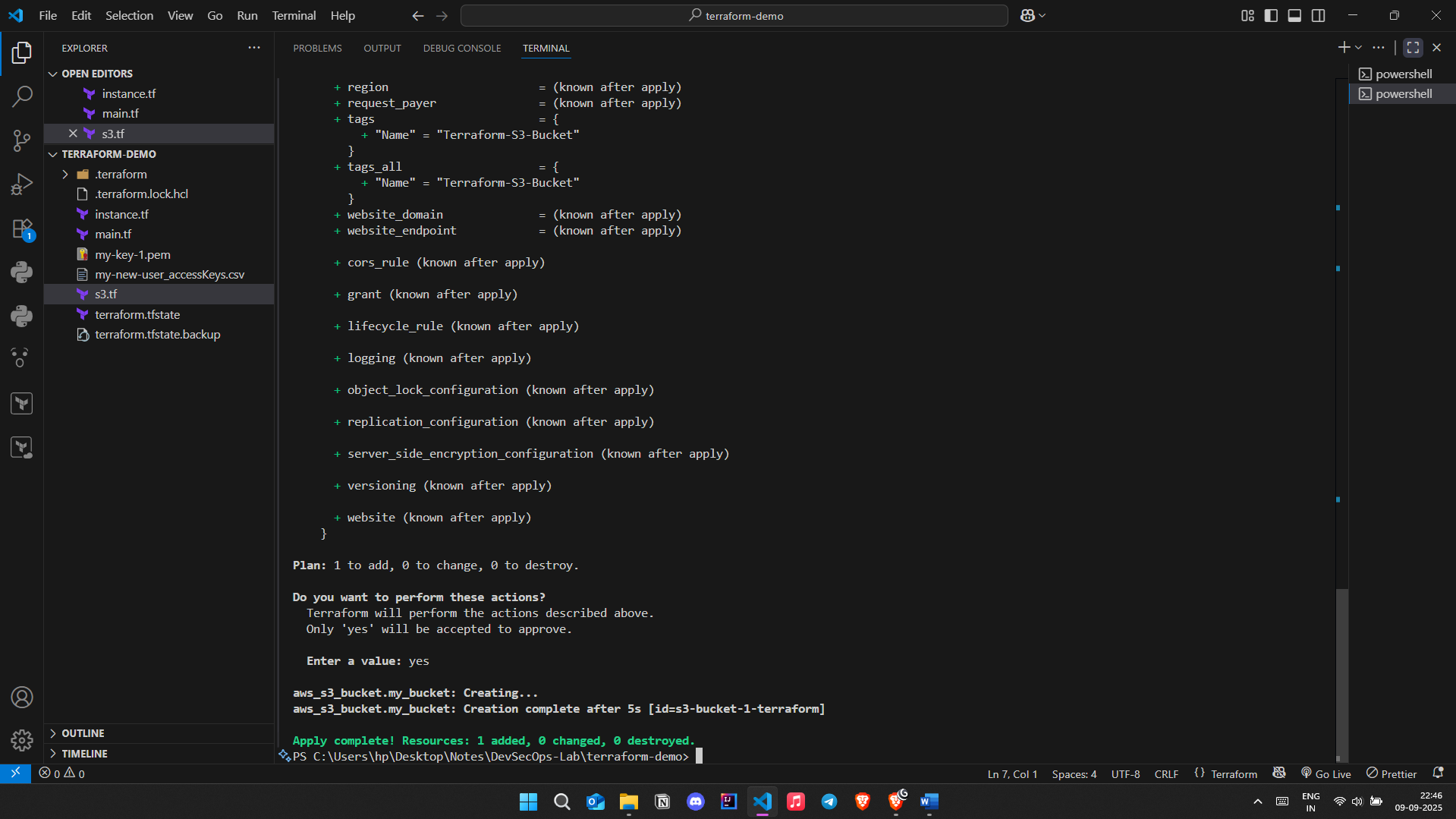
Create the resources:

terraform apply

When prompted, type yes to confirm.

**Output:**

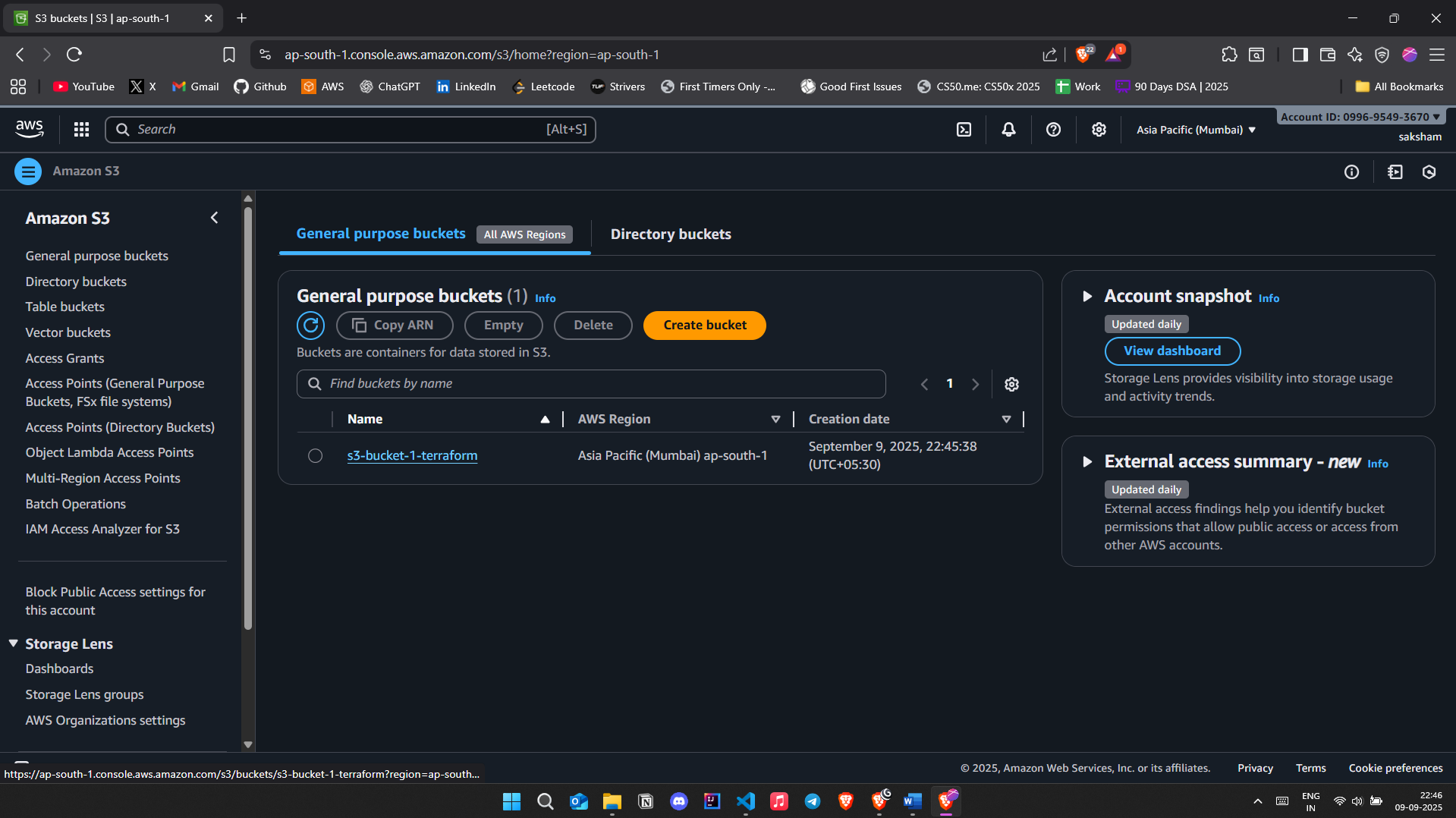
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**Step 7: Verify Resources:**

1. Log in to your AWS Management Console.
2. Navigate to the **S3** dashboard.
3. Verify that the S3 bucket has been created with the specified configuration.

**Output:**

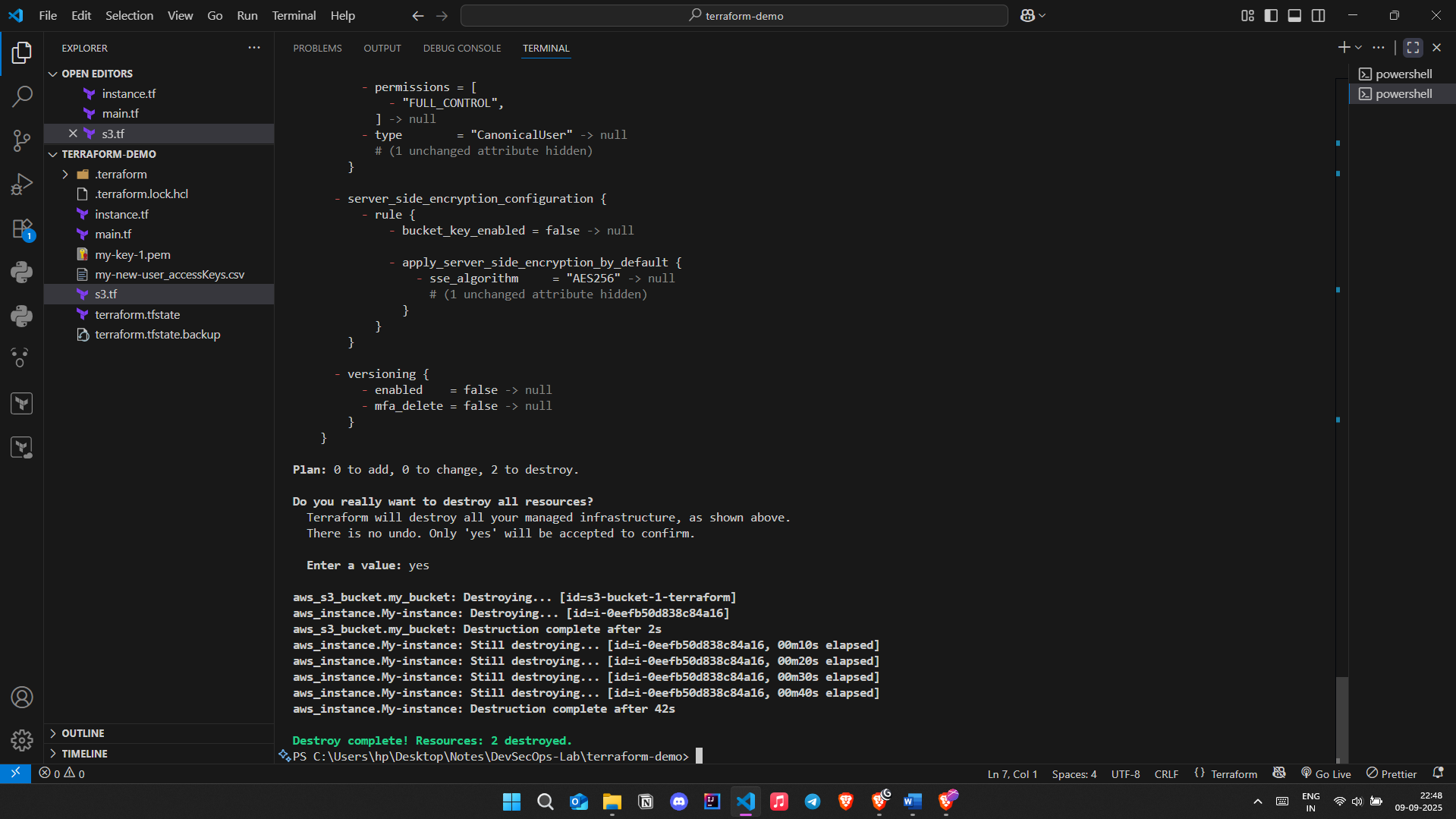
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**Step 8: Cleanup Resources:**

To remove the resources created, run the following command:

terraform destroy

When prompted, type yes to confirm.



Resources destroyed.