<u>Lab Exercise 14 – Provisioning an</u> <u>S3 Bucket On AWS</u>

Name:-Vansh Bhatt

SapId:- 500125395

R.No:- R2142231689

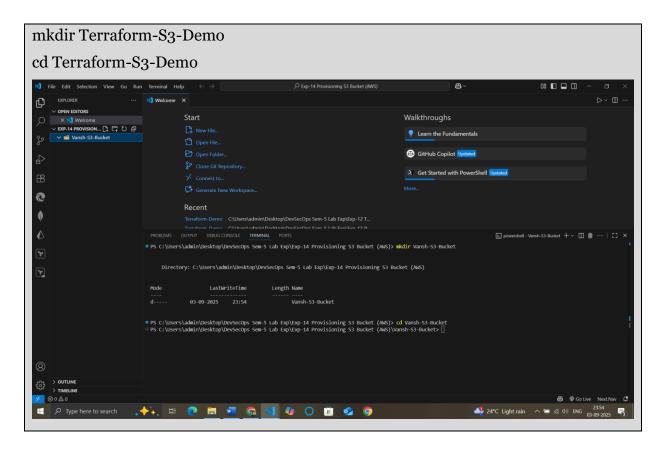
Batch:- DevOps B1

To:- Hitesh Kumar Sharma Sir

Exercise Steps:

Step 1: Create a New Directory:

Create a new directory to store your Terraform configuration:



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

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

```
terraform {
 required_providers {
  aws = {
   source = "hashicorp/aws"
   version = "5.31.0"
  }
provider "aws" {
 region = "us-east-1" # Replace with your preferred region
 access_key = "your IAM access key" # Replace with your Access Key
secret_key = "your secret access key" # Replace with your Secret Key
                                       Vansh-S3-Bucket
                                                        Ln 13, Col 2 Spaces: 4 UTF-8 CRLF C Terraform 👸 🖣 Go Live Next.Nav 🕢 Pretti
```

This file sets up the Terraform AWS provider.

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

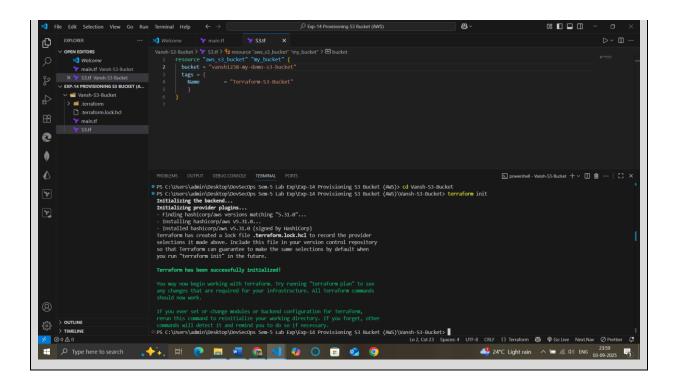
Create another file named s3.tf with the following content:

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

Step 4: Initialize Terraform:

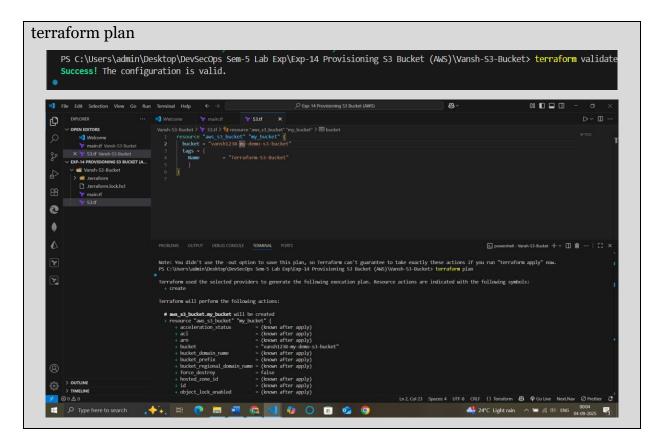
Run the following command to initialize your Terraform working directory:

terraform init



Step 5: Review the Plan:

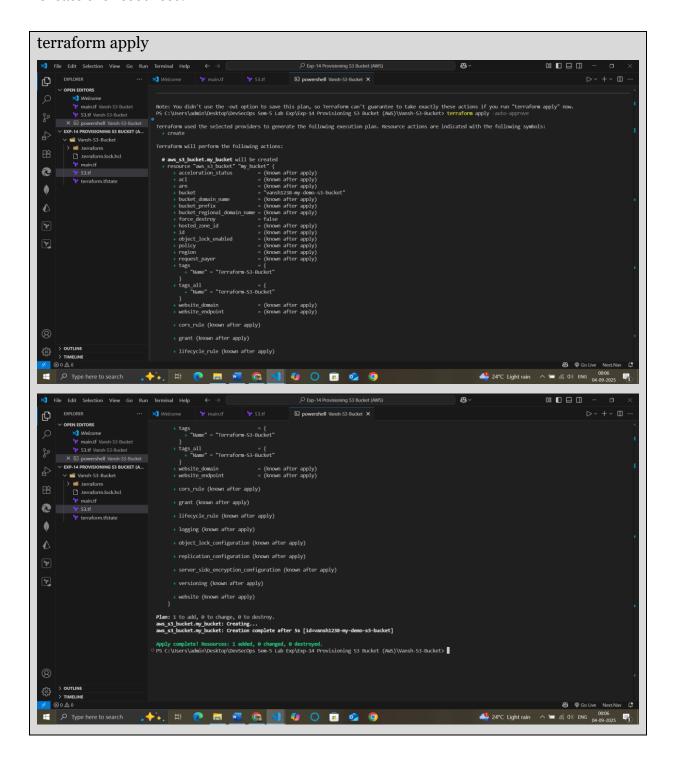
Preview the changes Terraform will make:



Review the output to ensure it meets your expectations.

Step 6: Apply the Changes:

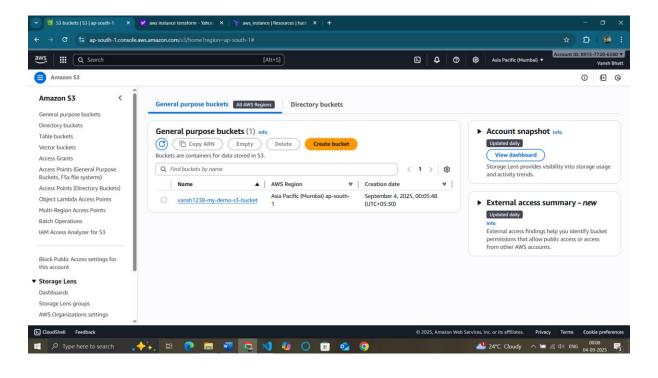
Create the resources:



When prompted, type yes to confirm.

Step 7: Verify Resources:

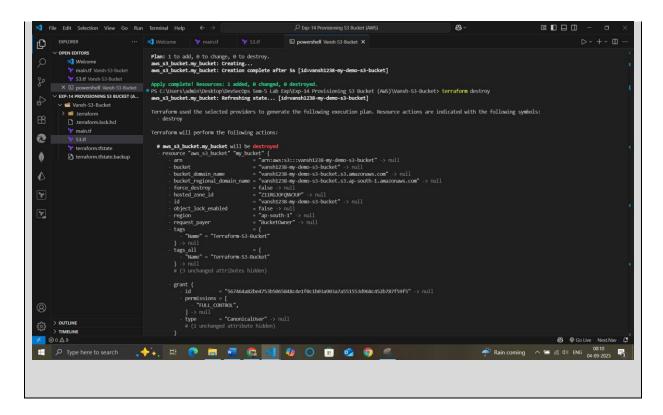
- 1. Log in to your AWS Management Console.
- 2. Navigate to the **S3** dashboard.
- 3. Verify that the S3 bucket has been created with the specified configuration.



Step 8: Cleanup Resources:

To remove the resources created, run the following command:

terraform destroy



When prompted, type yes to confirm.

