Step-01: Introduction

Step-02: Review terraform manifests

- **Pre-Conditions:** If not done earlier, complete `az login` via Azure CLI. We are going to use Azure CLI Authentication for Terraform when we use Terraform Commands.

```
# Azure CLI Login
az login

# List Subscriptions
az account list

# Set Specific Subscription (if we have multiple subscriptions)
az account set --subscription="SUBSCRIPTION_ID"
```

```
# Terraform Settings Block
terraform {
  required_version = ">= 1.0.0"
  required_providers {
    azurerm = {
      source = "hashicorp/azurerm"
      version = ">= 2.0" # Optional but recommended in production
    }
  }
}
# Configure the Microsoft Azure Provider
provider "azurerm" {
  features {}
}
# Create Resource Group
resource "azurerm_resource_group" "my_demo_rg1" {
  location = "eastus"
  name = "my-demo-rg1"
}
```

Step-03: Terraform Core Commands

```
# Terraform Initialize
terraform init

# Terraform Validate
terraform validate

# Terraform Plan to Verify what it is going to create / update / destroy
terraform plan

# Terraform Apply to Create Resources
terraform apply
```

Step-04: Verify Azure Resource Group in Azure Management Console

- Go to Azure Management Console -> Resource Groups
- Verify newly created Resource Group
- Review `terraform.tfstate` file

Step-05: Destroy Infrastructure

```
# Destroy Azure Resource Group
terraform destroy
Observation:
1. Verify if the resource group got deleted in Azure Management Console
2. Verify terraform.tfstate file and resource group info should be removed
```