# Lab Exercise 11– Terraform AWS Provider Configuration

Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine. Follow the official installation guide if needed.

### **Exercise Steps:**

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

Create a new directory for your Terraform configuration:

"Terraform-Demo"

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

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

```
terraform {
  required_providers {
   aws = {
     source = "hashicorp/aws"
     version = "5.30.0"
   }
  }
}
provider "aws" {
  }
}
```

```
∠ Terraform-Demo

                                                            88 ~
                                                                    □ …

★ Welcome

                             main.tf
          🏴 main.tf
Q
                  required_providers {
                     source = "hashicorp/aws"
version = "5.30.0"
مړه
₽
         10
         11
12
                 \ensuremath{\text{\#}} Empty for now, we are only configuring the provider
```

**Step 3: Initialize Terraform:** 

Run the following command to initialize your Terraform working directory:

#### terraform init

```
PROBLEMS
                          TERMINAL ...
                                                         \triangleright powershell + \vee \square \square \square \cdots | \square \times
               OUTPUT
  PS C:\Users\ASUS\Terraform-Demo> terraform init
  Initializing the backend...
  Initializing provider plugins...
- Finding hashicorp/aws versions matching "5.30.0"...
 - Installing hashicorp/aws v5.30.0...
- Installed hashicorp/aws v5.30.0 (signed by HashiCorp)
Terraform has created a lock file .terraform.lock.hcl to record the provider selections it made above. Include this file in your version control reposito
  so that Terraform can guarantee to make the same selections by default when
  you run "terraform init" in the future.
  Terraform has been successfully initialized!
  You may now begin working with Terraform. Try running "terraform plan" to se
  any changes that are required for your infrastructure. All Terraform command
  If you ever set or change modules or backend configuration for Terraform,
  rerun this command to reinitialize your working directory. If you forget, ot
  commands will detect it and remind you to do so if necessary.
  PS C:\Users\ ASUS\Terraform-Demo> [
0 🛦 0
                       Ln 13, Col 1 Spaces: 4 UTF-8 CRLF {} Plain Text 😝 🏟 Go Live
```