School of Computer Science

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

DEHRADUN, UTTARAKHAND



**Subject Name**

Lab File

(2023-2024)

for

5th Semester

|  |  |
| --- | --- |
| Submitted To:  Dr. Hitesh Kumar Sharma | Submitted By:  Ansika Saxena  500093696  B2 |

Lab Exercise 2– Terraform AWS Provider and IAM User Setting

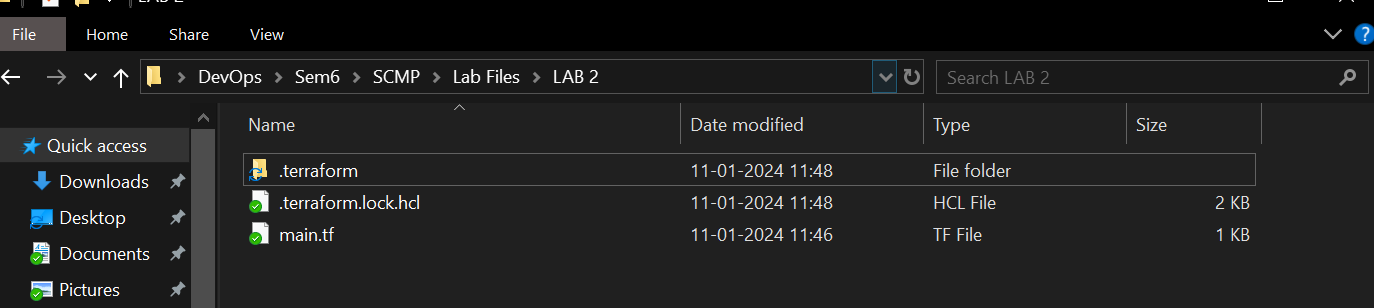
Prerequisites: Terraform Installed: Make sure you have Terraform installed on your machine. Follow the official installation guide if needed.

AWS Credentials: Ensure you have AWS credentials (Access Key ID and Secret Access Key) configured. You can set them up using the AWS CLI or by setting environment variables.

Exercise Steps:

Step 1: Create a New Directory:

Create a new directory for your Terraform configuration:



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

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

A screen shot of a computer program

Description automatically generated

provider "aws" {

    region = "us-west-2"

    access\_key = "AKIA5FTY77WSOV32MOCB"

    secret\_key = "dKo7OOhy1ZjL+HP/jYGoq/cMo8/1TVOLNogSGpAu"

}

This script defines an AWS provider and provisions an EC2 instance.

Step 3: Initialize Terraform:

Run the following command to initialize your Terraform working directory:

