# EXPERIMENT -4

**Terraform Variables**

STEP1: Make a main.tf file and add following configuration to it:

terraform {

required\_providers {

aws = {

source = "hashicorp/aws"

version = "5.36.0"

}

}

}

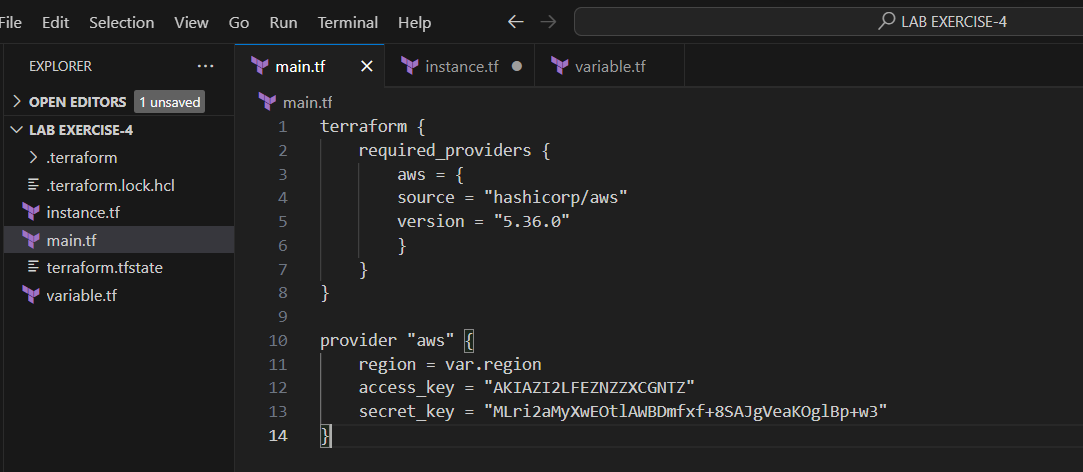
provider "aws" {

region = var.region

access\_key = "AKIAZI2LFEZNZZXCGNTZ"

secret\_key = "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"

}



STEP 2: define the variables in variable.tf

variable "region" {

description = "AWS region"

default = "ap-south-1"

}

variable "ami" {

description = "AMI ID"

default = "ami-03f4878755434977f"

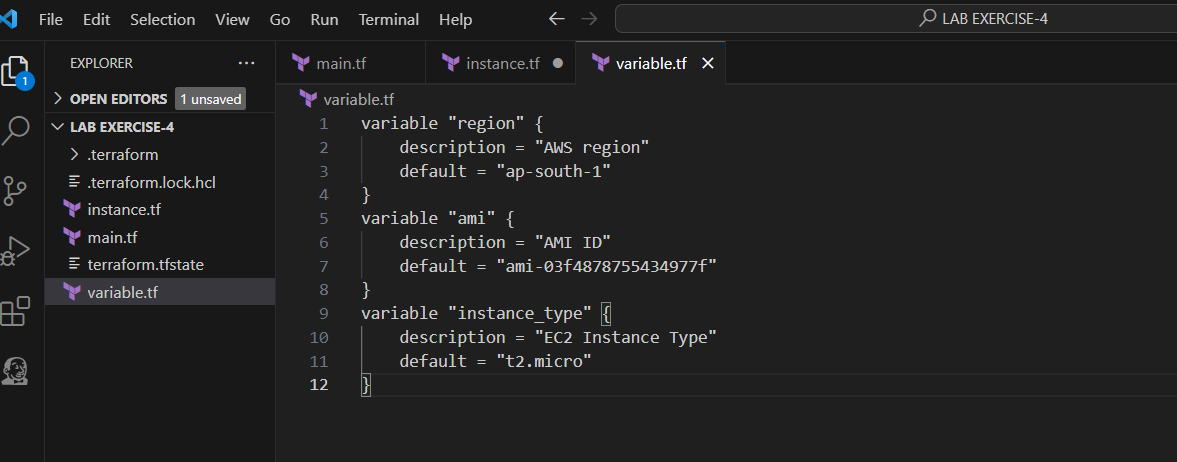
}

variable "instance\_type" {

description = "EC2 Instance Type"

default = "t2.micro"

}



STEP 3: Add the contents in instance.tf

resource "aws\_instance" "My-instance" {

instance\_type = var.instance\_type

ami = var.ami

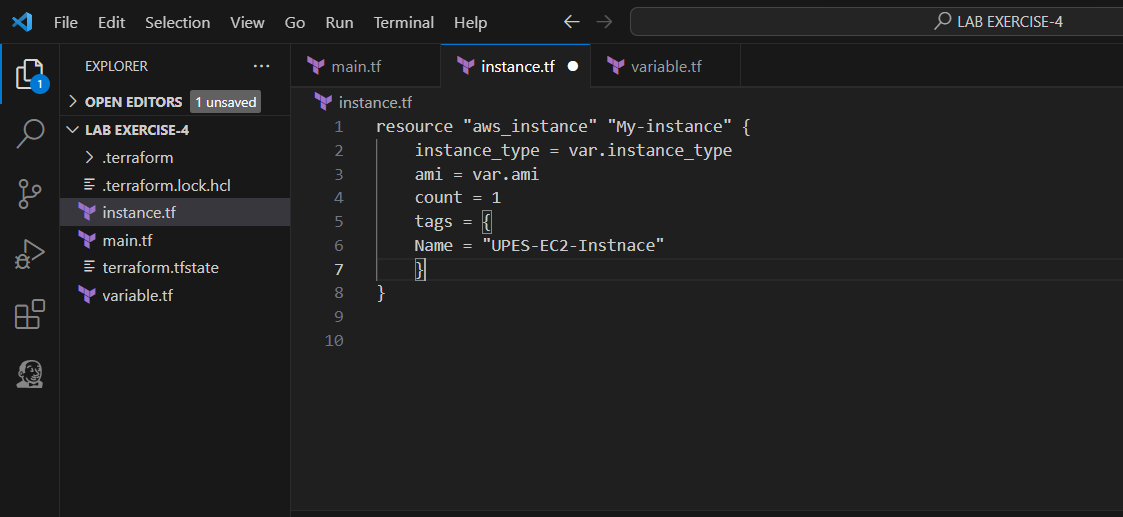
count = 1

tags = {

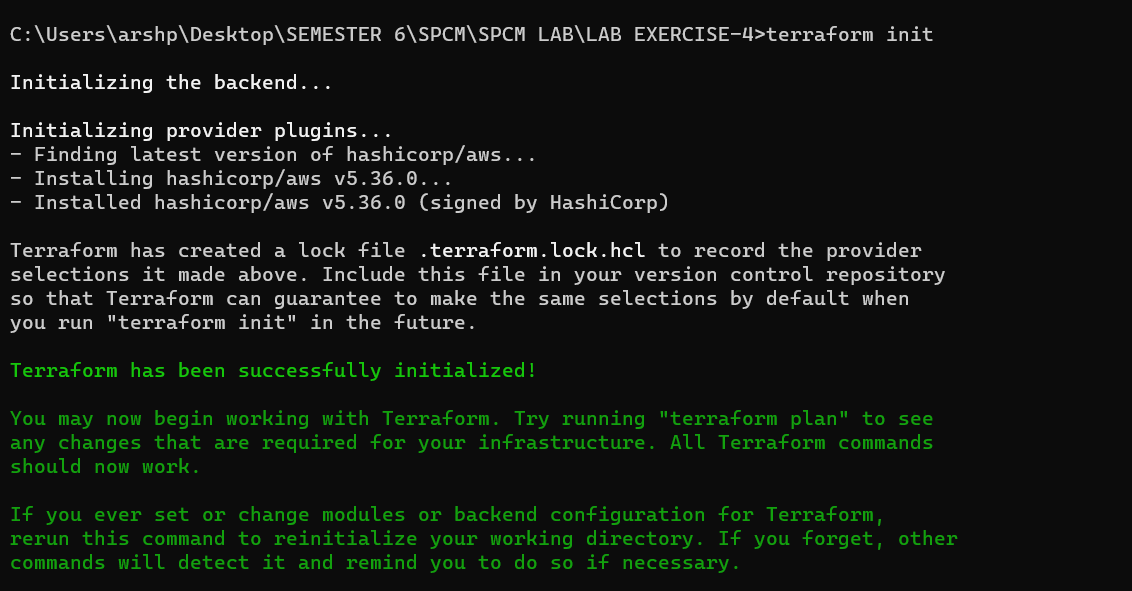
Name = "UPES-EC2-Instnace"

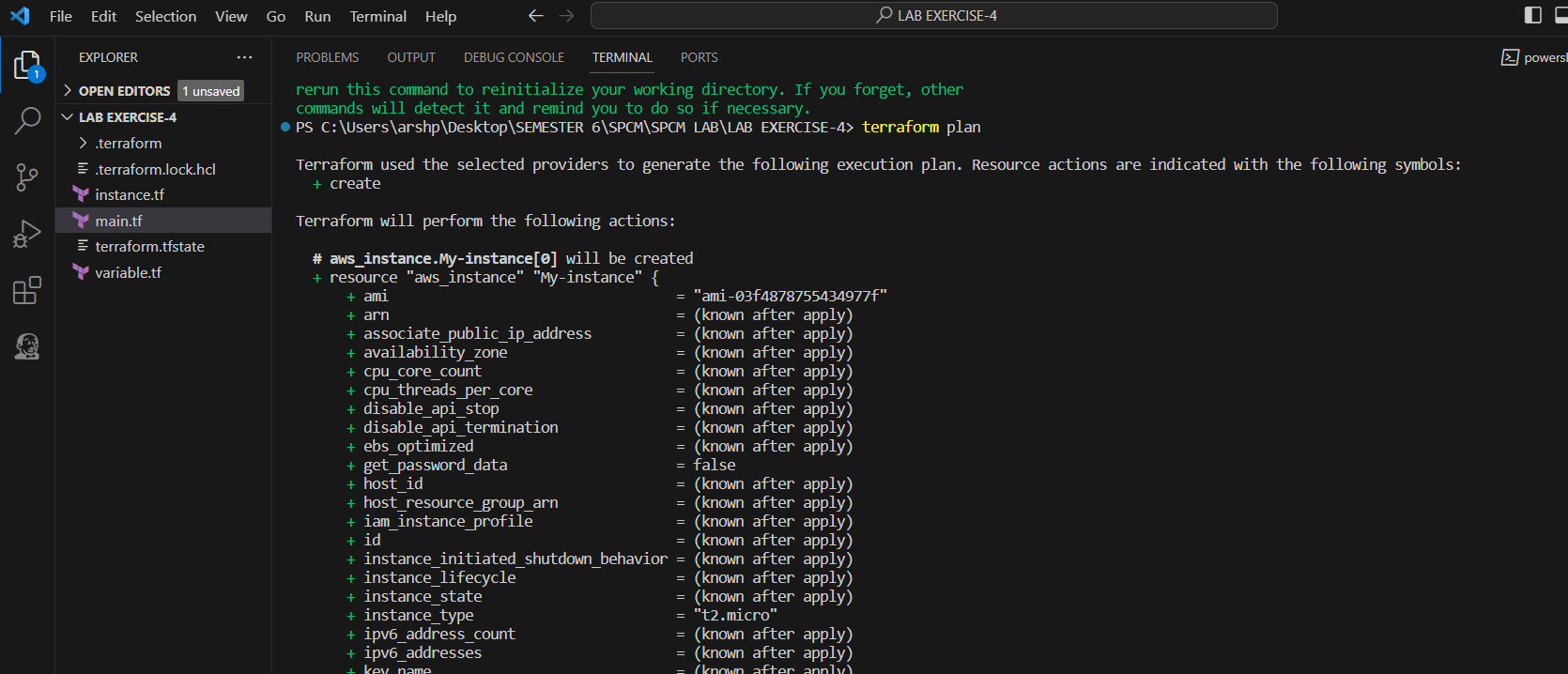
}

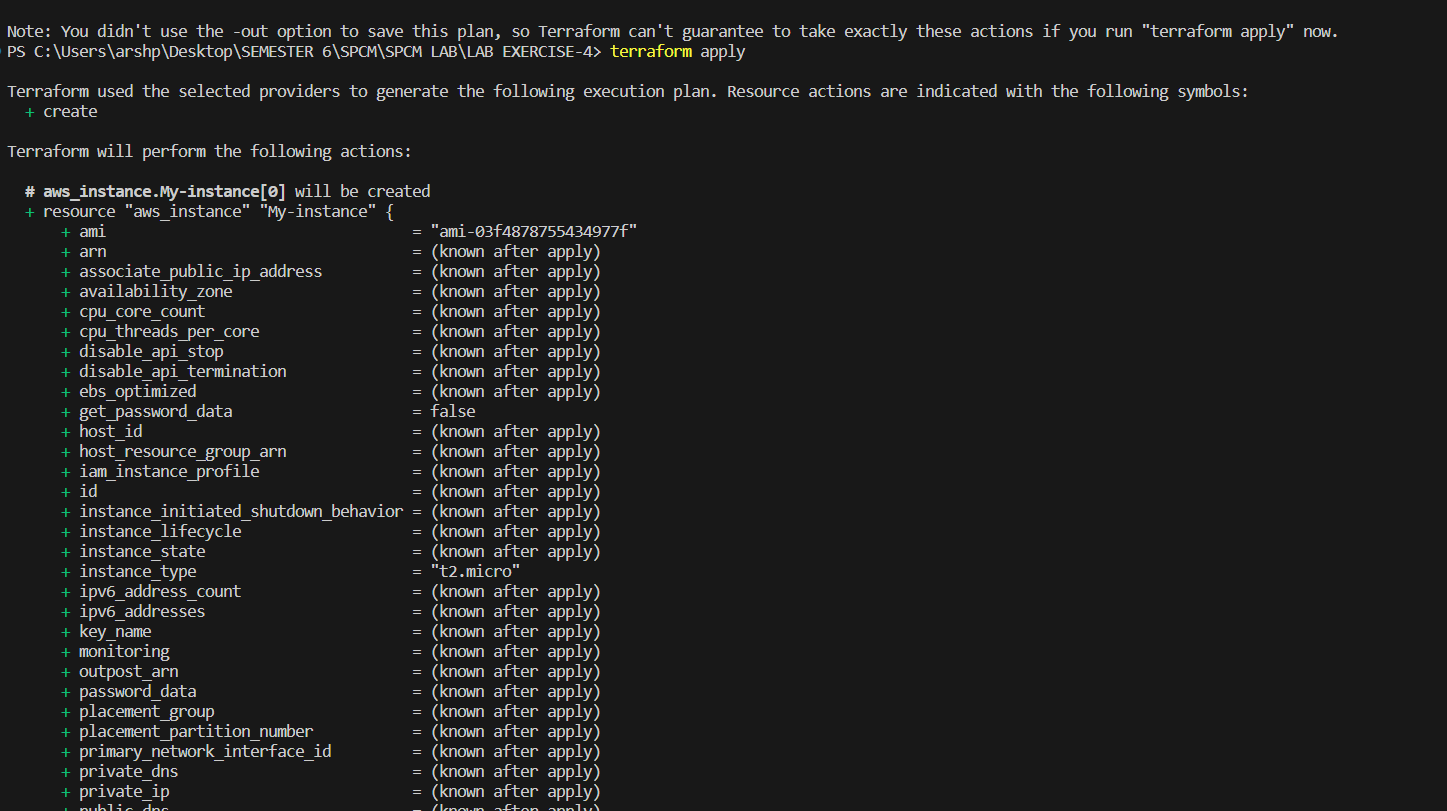
}

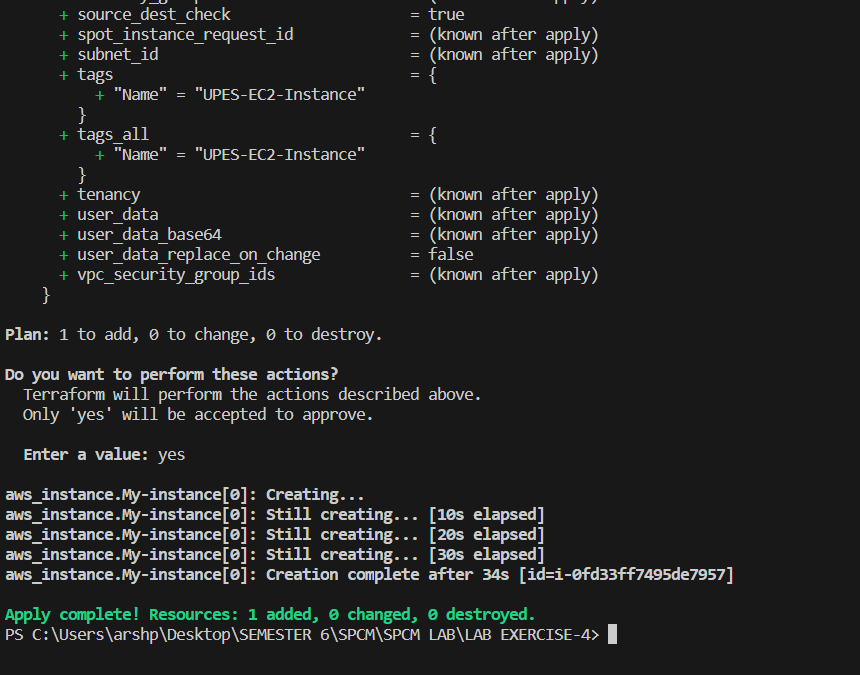


STEP4: **Initialize and Apply:**









STEP5: OUTPUT:

