**School of Computer Science**

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**DEHRADUN, UTTARAKHAND**



**System Provisioning and**

**Configuration Management**

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**Lab Exercise 4– Terraform Variables** **Objective:**

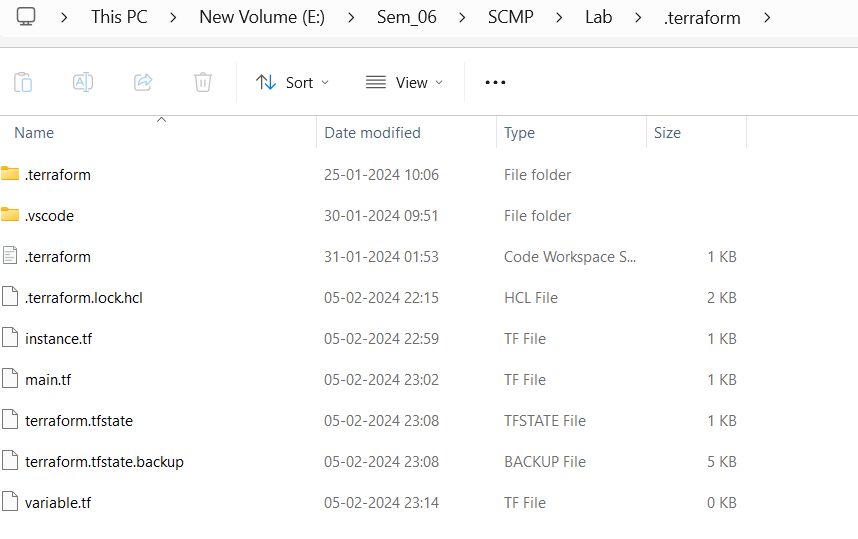
Learn how to define and use variables in Terraform configuration.

**Prerequisites:**

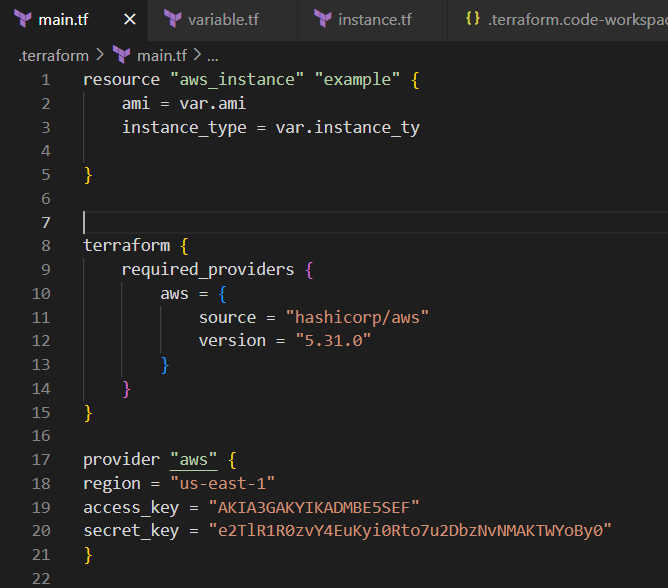
• Install Terraform on your machine.

**Steps:**

1. **Create a Terraform Directory:** 
   * Create a new directory for your Terraform project.

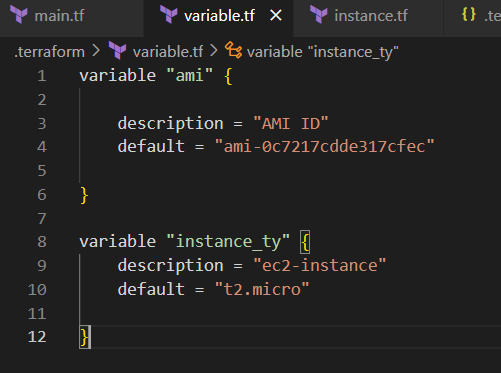


1. **Create a Terraform Configuration File:** 
   * Create a file named main.tf within your project directory.



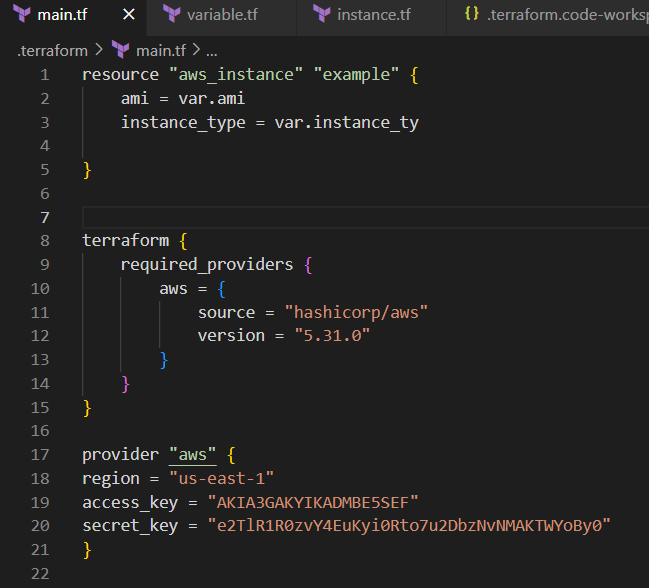
1. **Define Variables:** 
   * Open a new file named variables.tf. Define variables for region, ami, and instance\_type.

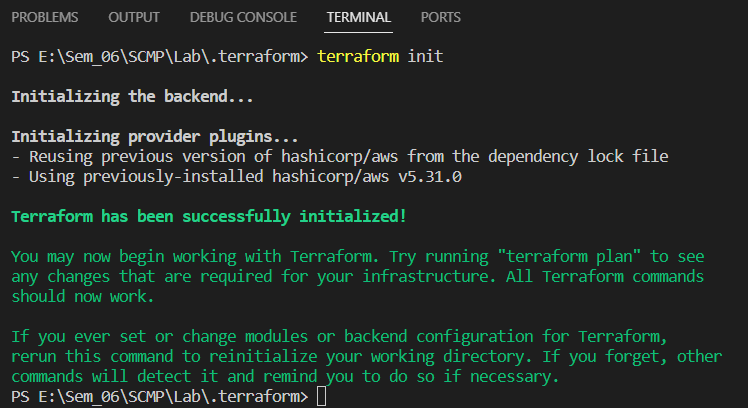
**# variables.tf**

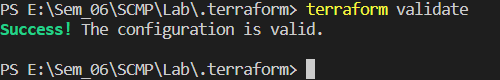


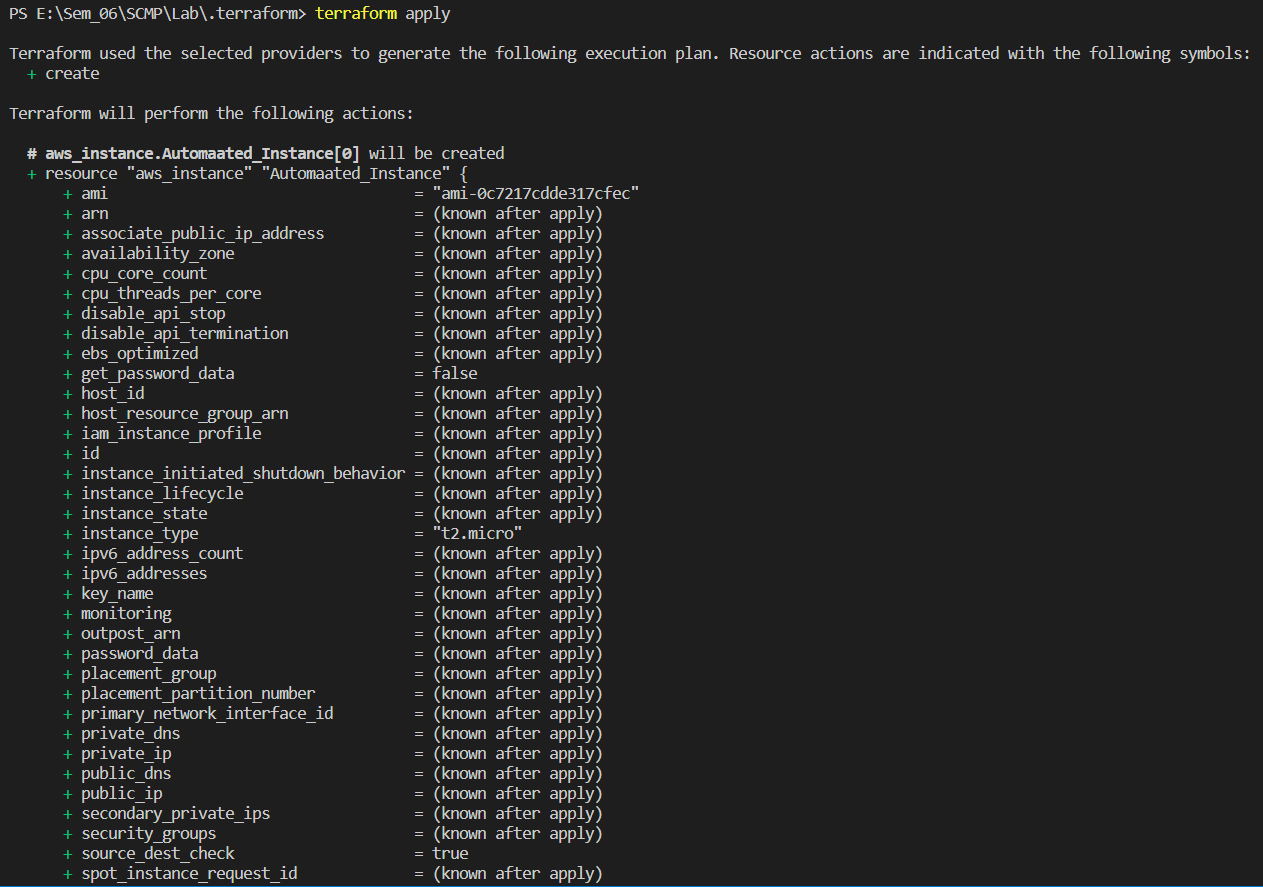
**Use Variables in main.tf:**

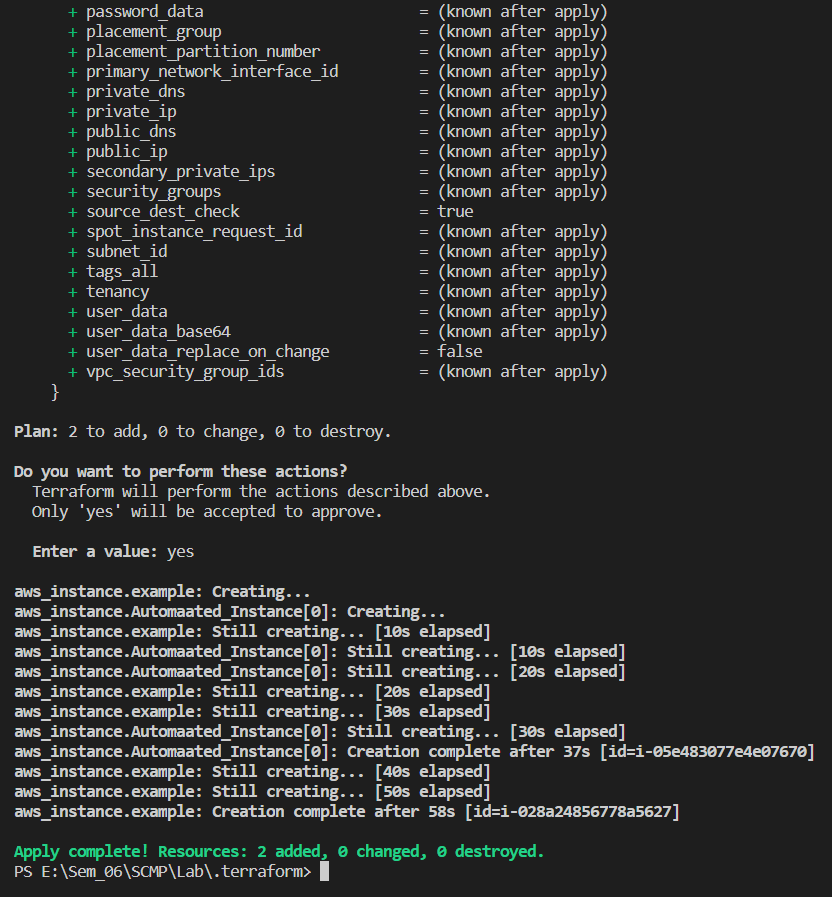
* + Modify main.tf to use the variables. **# main.tf**

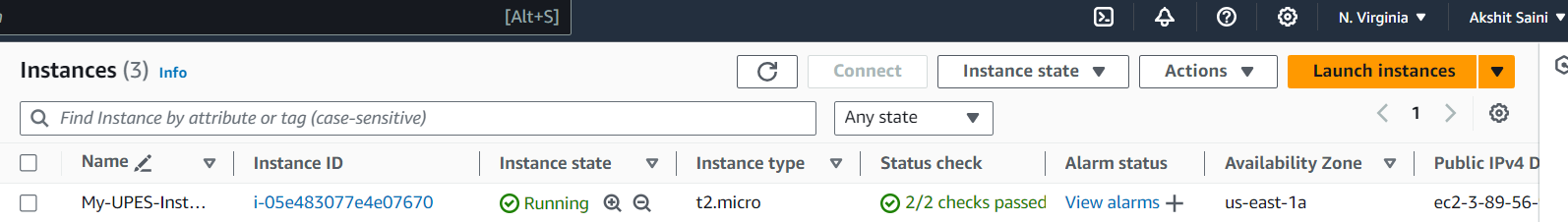


1. **Initialize and Apply:** 
   * Run the following Terraform commands to initialize and apply the configuration.
2. 









1. **Clean Up:**

