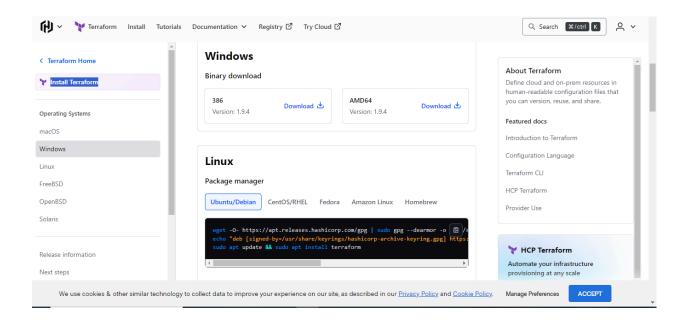
# **EXPERIMENT NO. 05**

Aim: To understand terraform lifecycle, core concepts/terminologies and install it on Windows.

#### 1.Download and Install Terraform:

- If you haven't already, download Terraform from the official website.
- Install Terraform by extracting the downloaded zip file to a directory of your choice. Note the path where Terraform executable (terraform.exe on Windows) is located.



#### 2. Find the Terraform Executable Path:

 After installation, locate the directory where Terraform executable (terraform.exe) is present. For example, it could be in C:\terraform or any other path you chose during installation.

#### 3.Set Environment Variables:

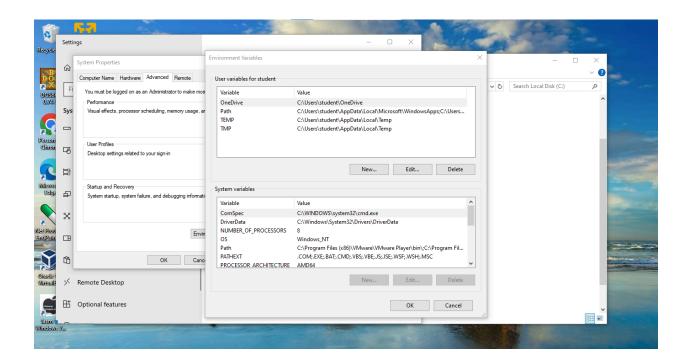
- Right-click on **This PC** or **Computer** on your desktop or in File Explorer, then click **Properties**.
- In the System window, click on **Advanced system settings** on the left-hand side.
- In the System Properties window, click on the **Environment Variables** button.

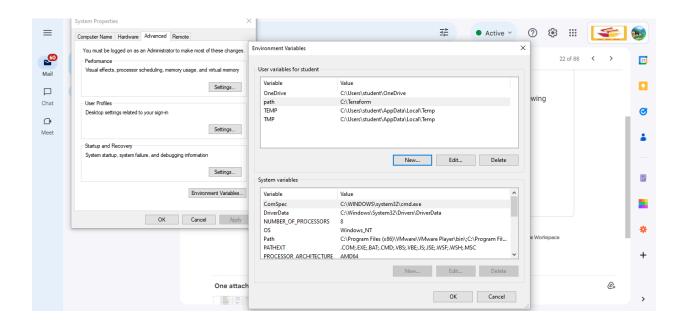
## 4. Edit System Environment Variables:

• In the Environment Variables window (System Properties), under the section **System Variables**, find and select the variable named **Path**, then click **Edit**.

### 5.Add Terraform to Path:

- In the Edit Environment Variable window, click **New** to add a new entry.
- Enter the path to the directory where Terraform executable (terraform.exe) is located. For example, if Terraform is installed in C:\terraform, add C:\terraform to the list.





# 6. Verify Installation:

- Open a new command prompt (to ensure it picks up the updated environment variables).
- Type terraform --version and press **Enter**. You should see the Terraform version information printed on the screen if the path configuration was successful.

If PowerShell is unable to recognize the terraform command, even though you've installed Terraform. This issue typically occurs when the directory containing the Terraform executable is not included in the PATH environment variable that PowerShell is using.

To resolve this issue, you need to add the directory containing the Terraform executable to your PowerShell session's PATH variable.

## **Set the PATH Variable Temporarily for the Current Session:**

 In PowerShell, you can set the PATH variable for the current session using the following command:

powershell

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\$env:PATH += ";C:\Terraform"

```
PS C:\Users\student> $env:PATH += ";C:\Terraform"
>>
PS C:\Users\student> terraform --version
Terraform v1.9.4
on windows_amd64
PS C:\Users\student> _
```