

Experiment no 5

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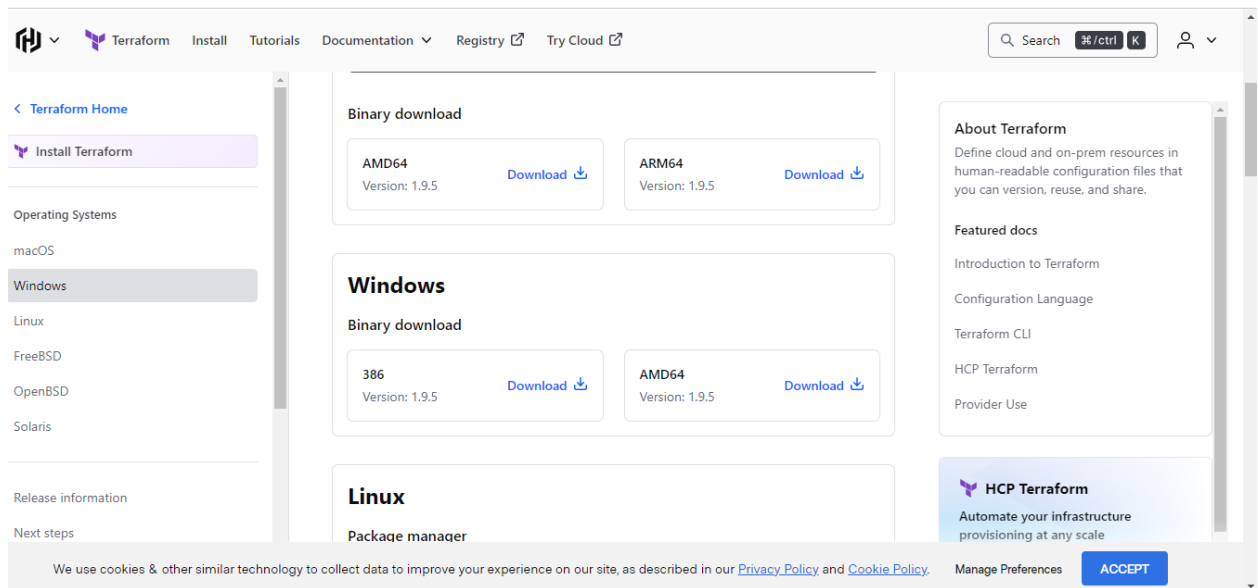
Roll no :- 36

Aim :-Installation and Configuration of Terraform in Windows

Installation for Windows :-

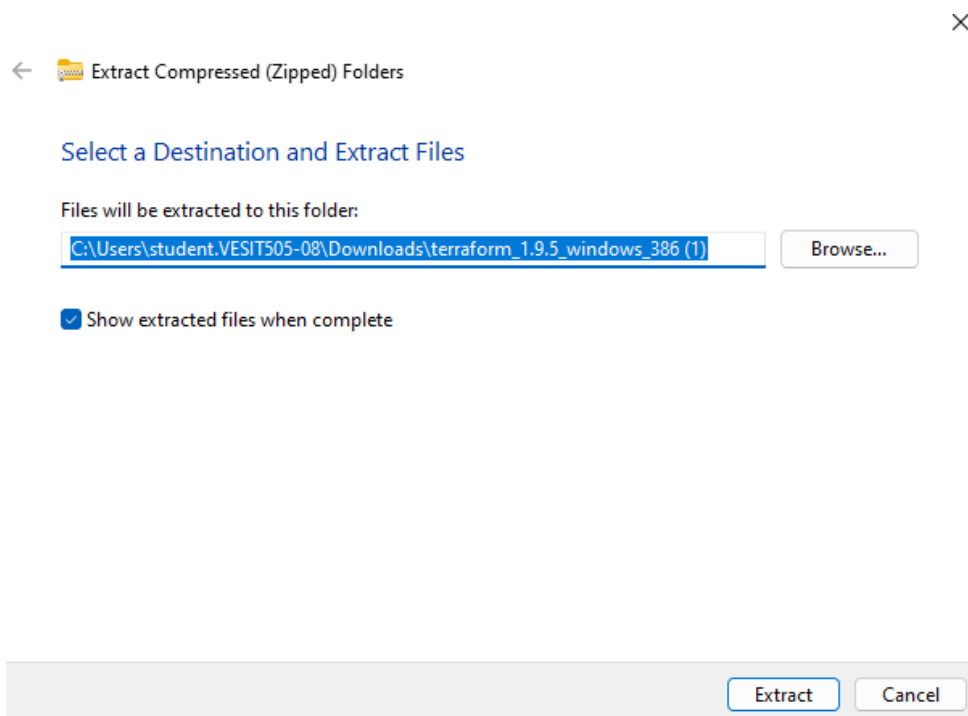
➤ Step 1 :-

Select Windows under the "Operating Systems" section.



➤ Step 2:-

In your Downloads, right-click on the downloaded Terraform binary file and select "**Extract All...**" The window below will pop up.

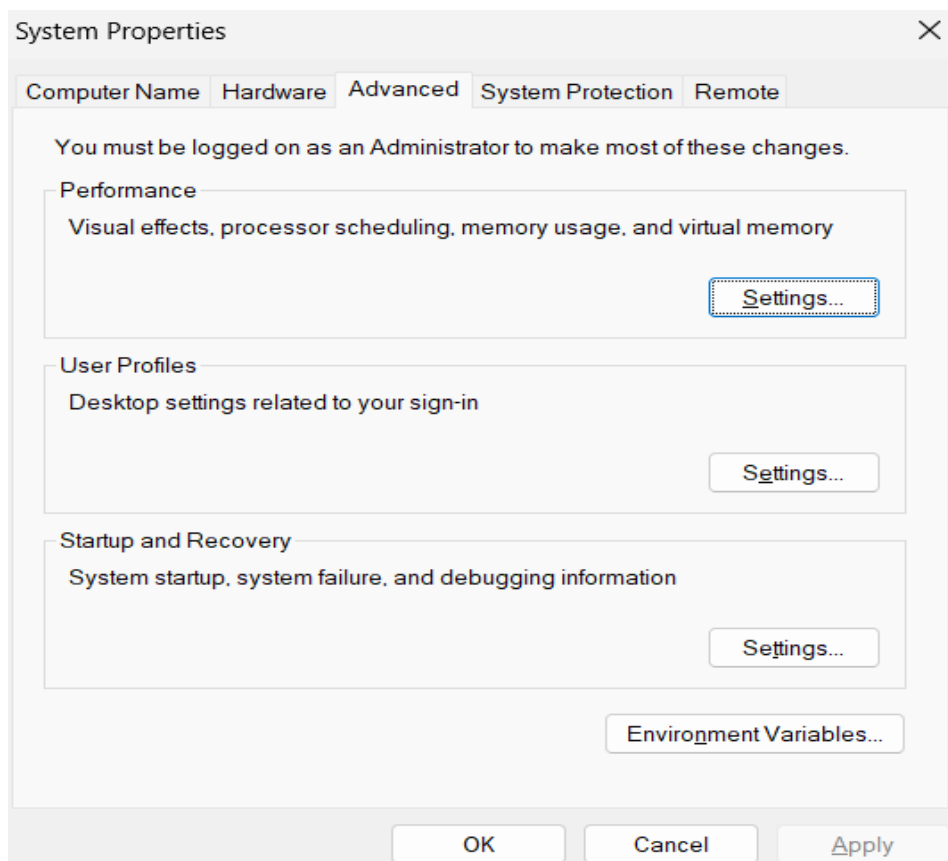


➤ **Step 3 :-**

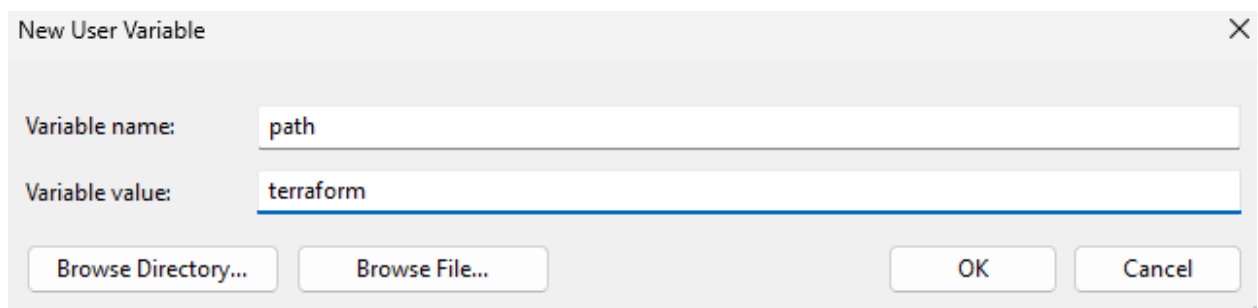
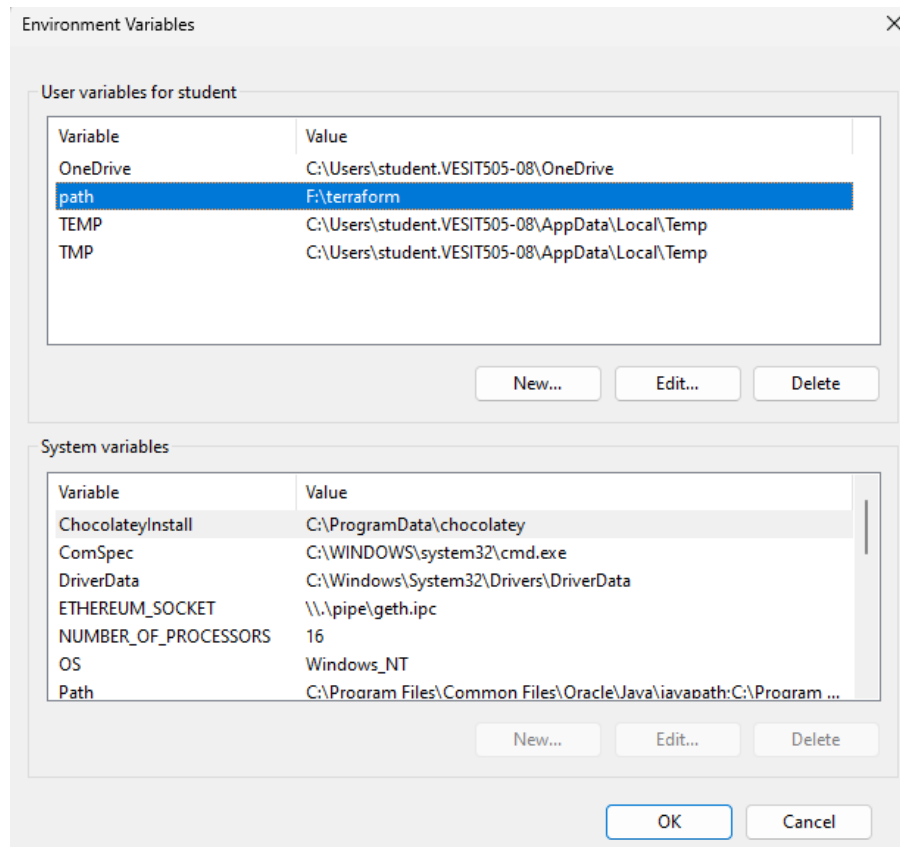
Set Terraform Path to System Environment Variables

In your Windows start menu, type environment and click "**Edit system environment variables.**"

Click on "**Environment Variables**" in the System Properties window.



➤ Step 4:- Set the path



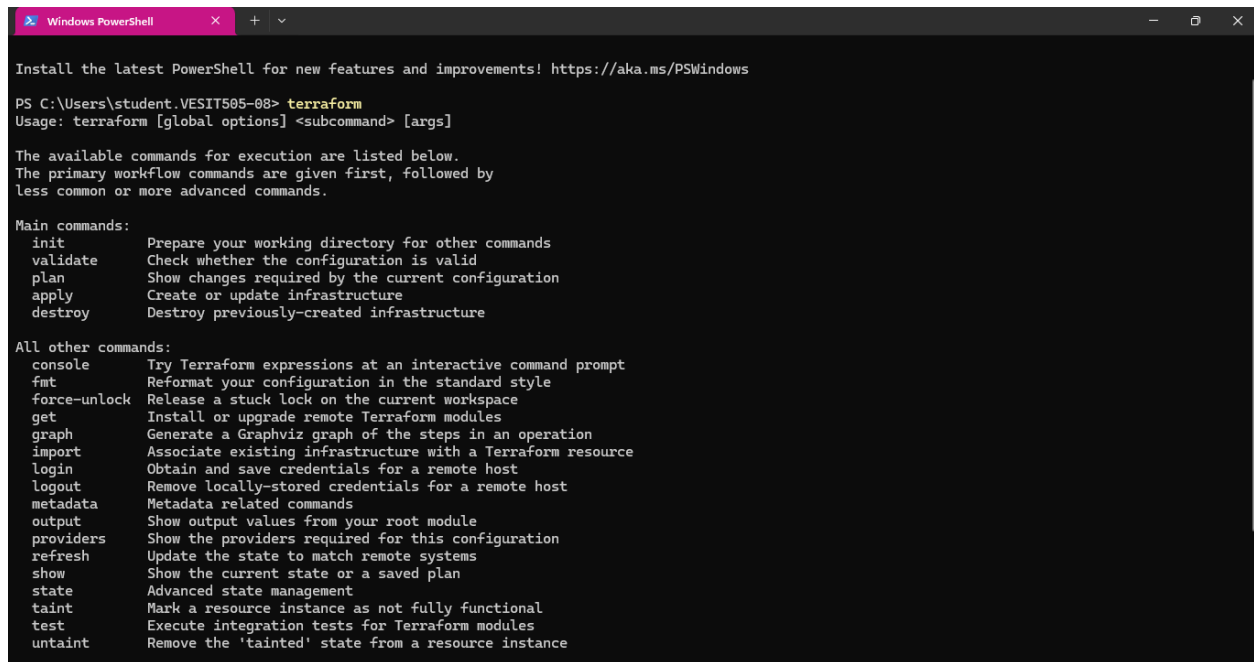
➤ Step 5:-

Navigate to the folder path C:\terraform in a new command prompt window and type the terraform -version to verify the installed version.

```
C:\> Command Prompt
C:\terraform>terraform -version
Terraform v1.6.6
on windows_amd64
C:\terraform>
```

➤ Step 7:-

To see more Terraform commands, you can simply type terraform in the terminal.



```
Windows PowerShell
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\student.VESIT505-08> terraform
Usage: terraform [global options] <subcommand> [args]

The available commands for execution are listed below.
The primary workflow commands are given first, followed by
less common or more advanced commands.

Main commands:
  init      Prepare your working directory for other commands
  validate  Check whether the configuration is valid
  plan      Show changes required by the current configuration
  apply     Create or update infrastructure
  destroy   Destroy previously-created infrastructure

All other commands:
  console   Try Terraform expressions at an interactive command prompt
  fmt       Reformat your configuration in the standard style
  force-unlock Release a stuck lock on the current workspace
  get       Install or upgrade remote Terraform modules
  graph     Generate a Graphviz graph of the steps in an operation
  import    Associate existing infrastructure with a Terraform resource
  login     Obtain and save credentials for a remote host
  logout    Remove locally-stored credentials for a remote host
  metadata  Metadata related commands
  output    Show output values from your root module
  providers Show the providers required for this configuration
  refresh   Update the state to match remote systems
  show      Show the current state or a saved plan
  state     Advanced state management
  taint     Mark a resource instance as not fully functional
  test      Execute integration tests for Terraform modules
  untaint   Remove the 'tainted' state from a resource instance
```