

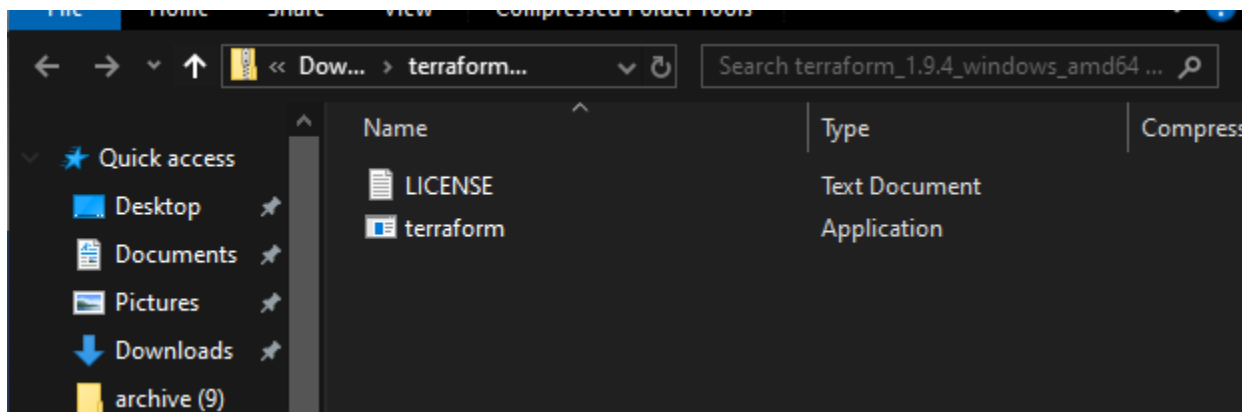
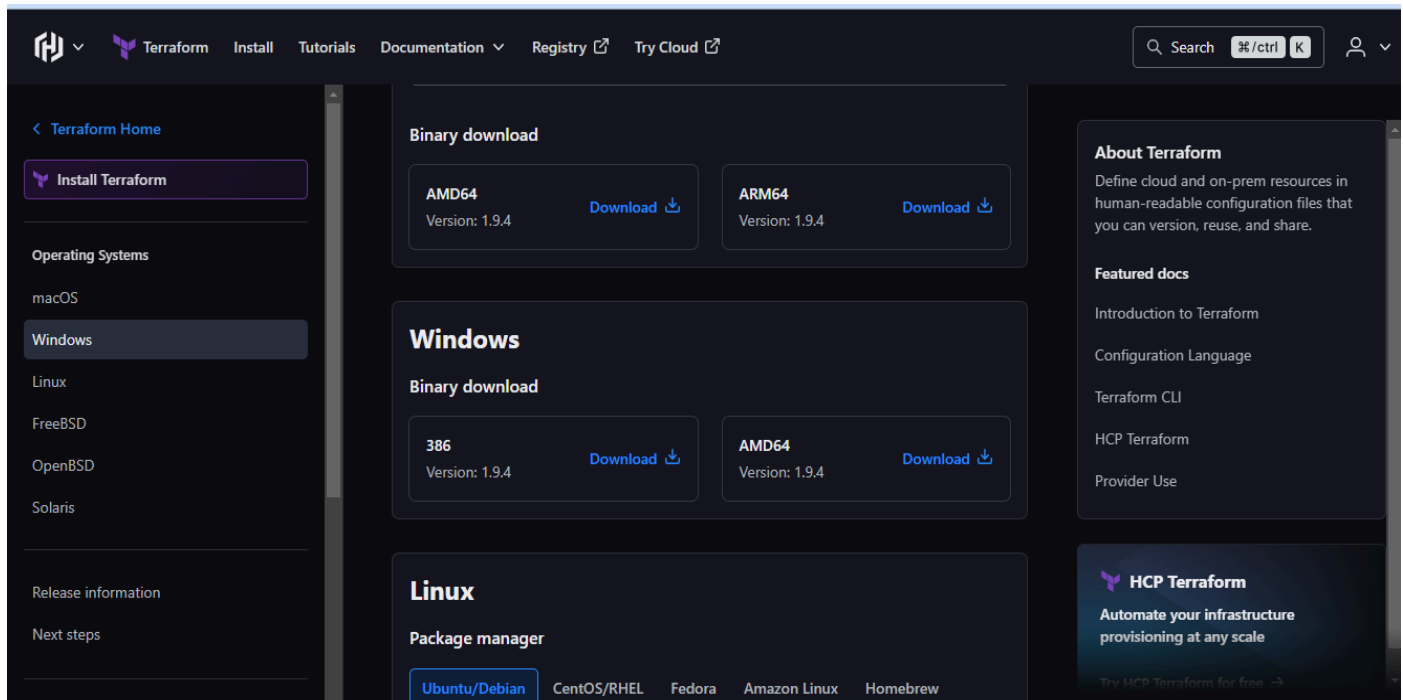
AdvanceDevops Experiment 5

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

1. Download the Terraform:

click on the link <https://www.terraform.io/downloads.html>

Select the Operating System and download Terraform version according to configurations.



3. Find the Terraform Executable Path:

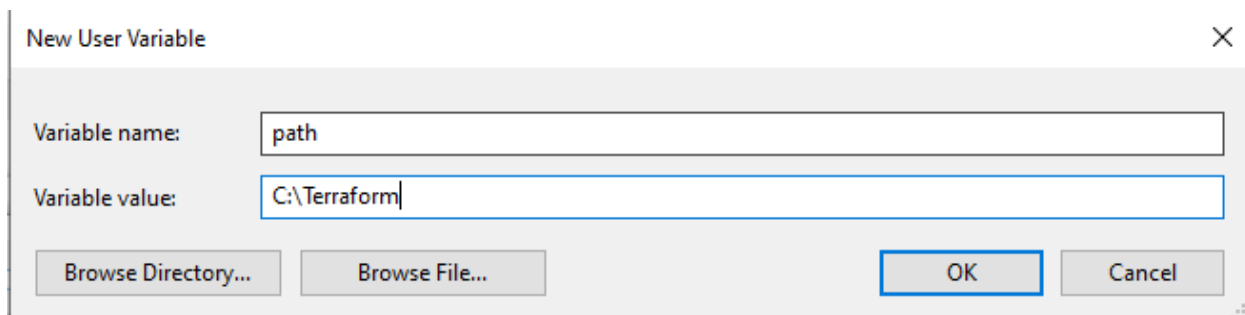
After installation, locate the directory where Terraform executable (terraform.exe) is present. For example, it could be in C:\terraform or any other path you chose during Installation.

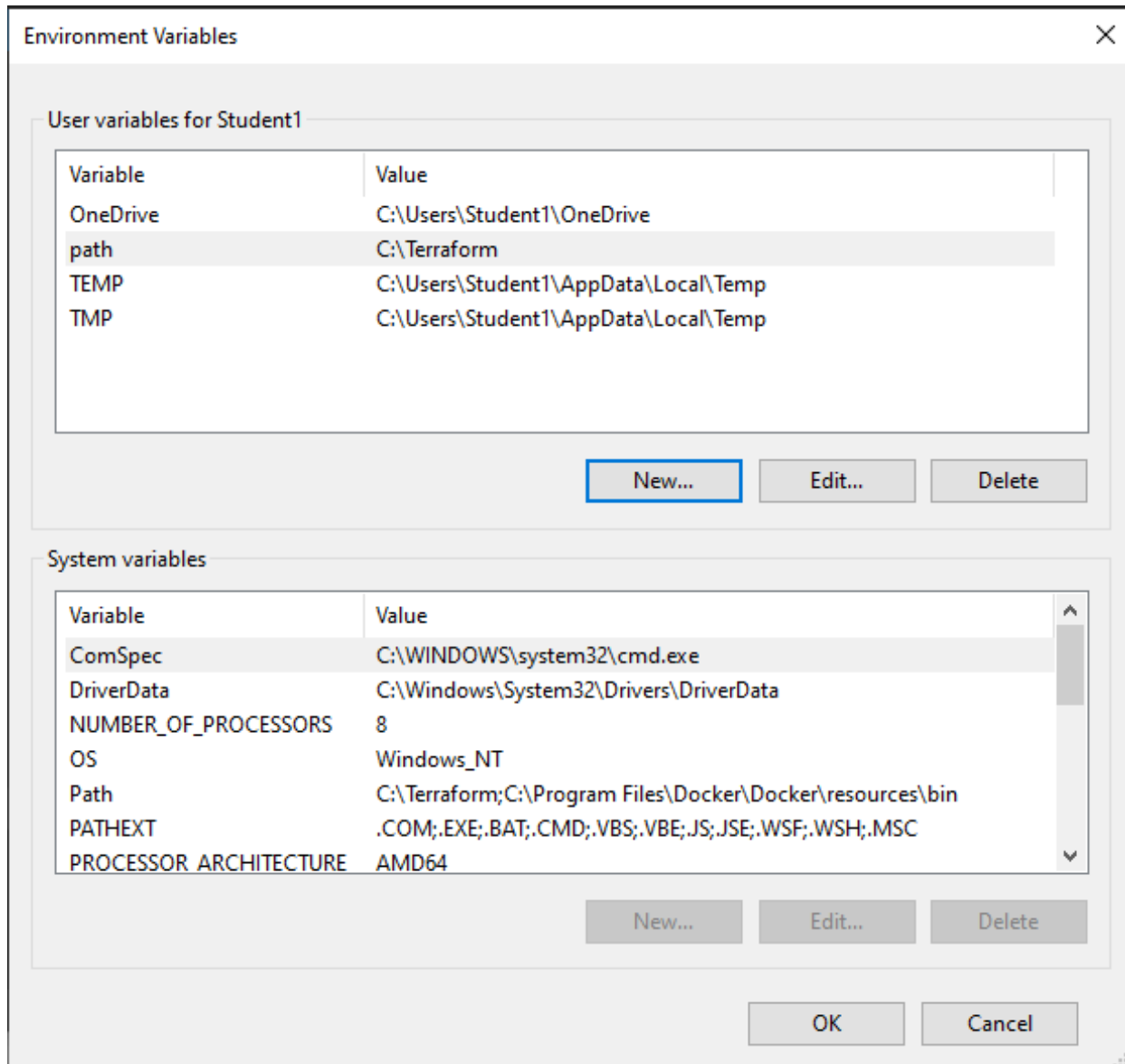
4. Edit System Environment Variables:

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

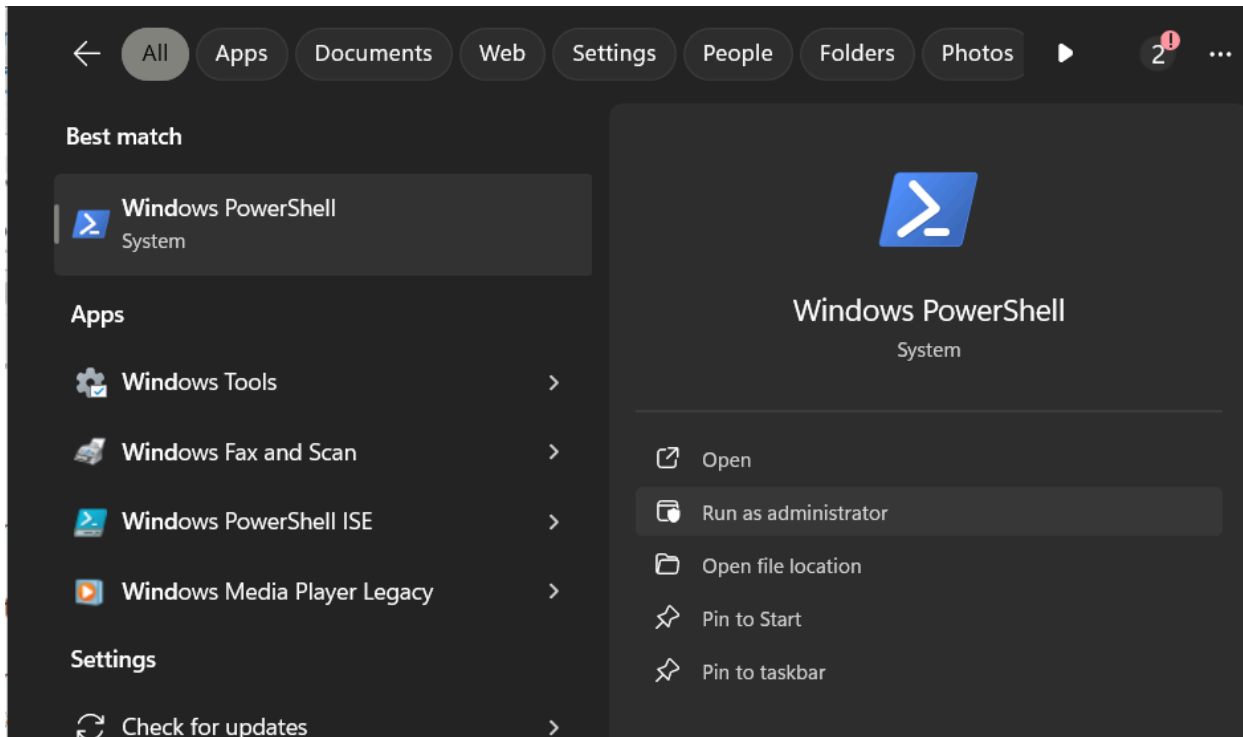
5. Add Terraform to Path:

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.





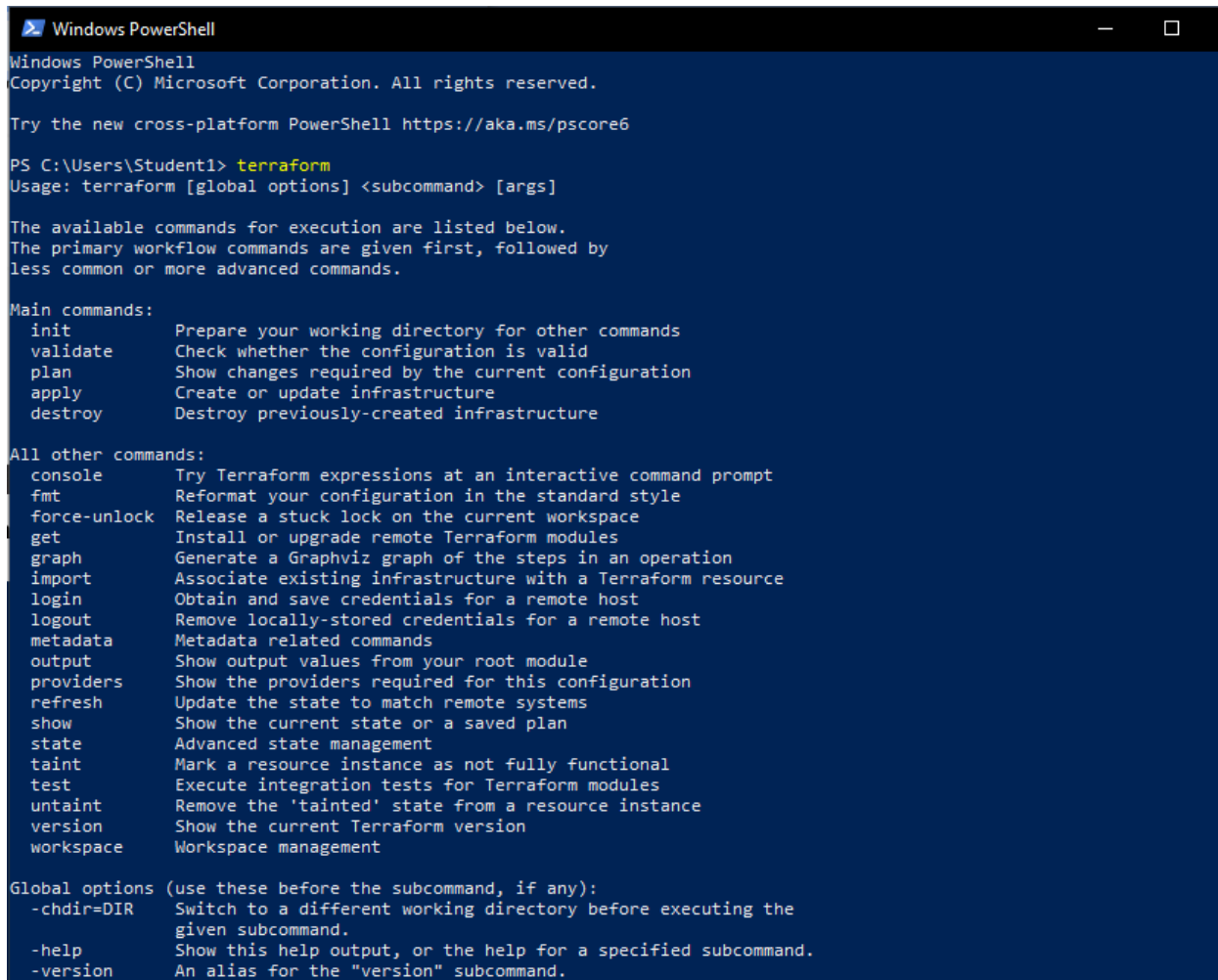
6. Open PowerShell with Administrator Access.



7. Verify Installation:

Open a new command prompt (to ensure it picks up the updated environment variables).

Type **terraform** and press Enter. You should see the Terraform version information printed on the screen if the path configuration was successful.



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Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Student1> 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
  version   Show the current Terraform version
  workspace Workspace management

Global options (use these before the subcommand, if any):
  -chdir=DIR  Switch to a different working directory before executing the
              given subcommand.
  -help      Show this help output, or the help for a specified subcommand.
  -version   An alias for the "version" subcommand.
```