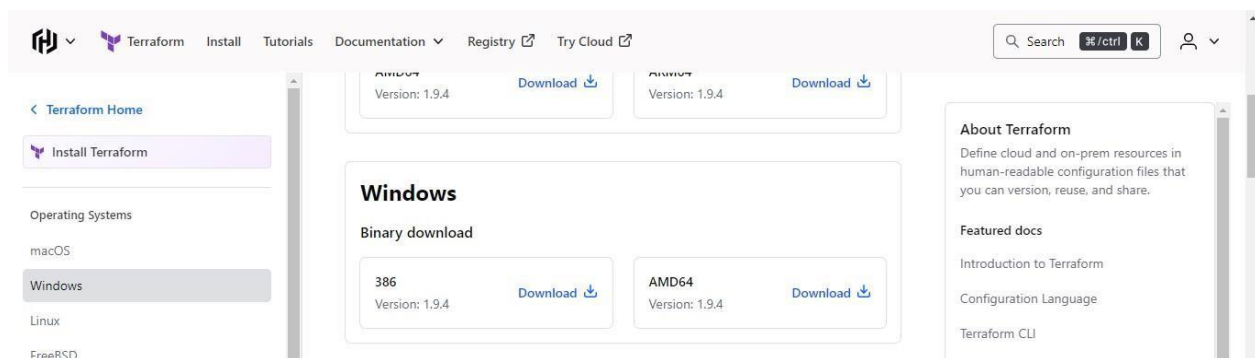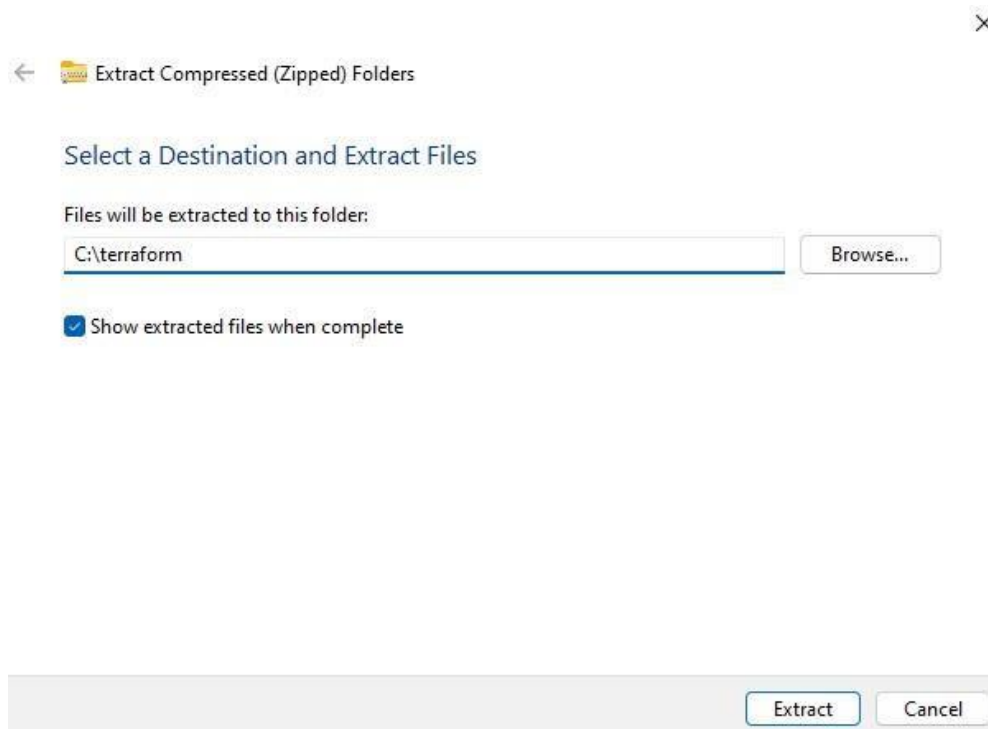# Experiment No. 5

Installation of Terraform

Step 1: To install Terraform, go to the official Terraform website linked below. Navigate to the Downloads section, choose Windows, and download the 64-bit version for your system.
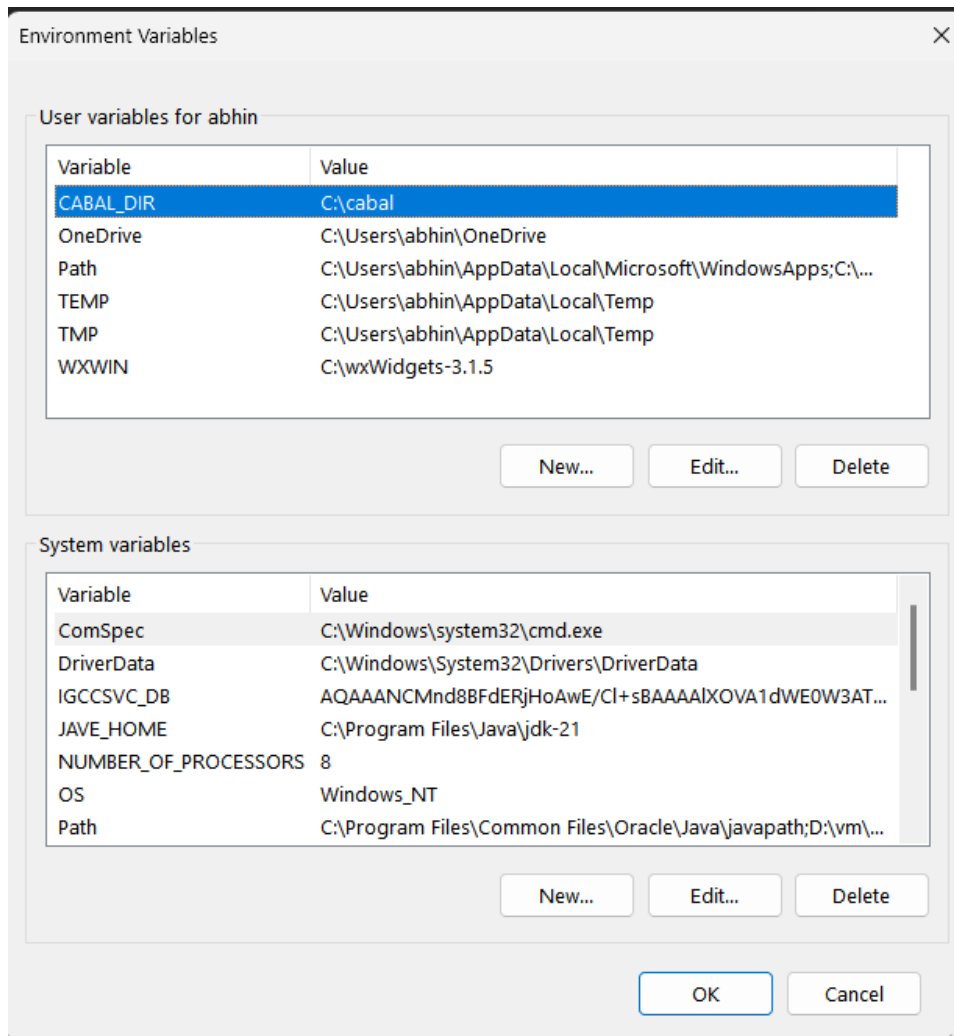Website: https://www.terraform.io/downloads.html
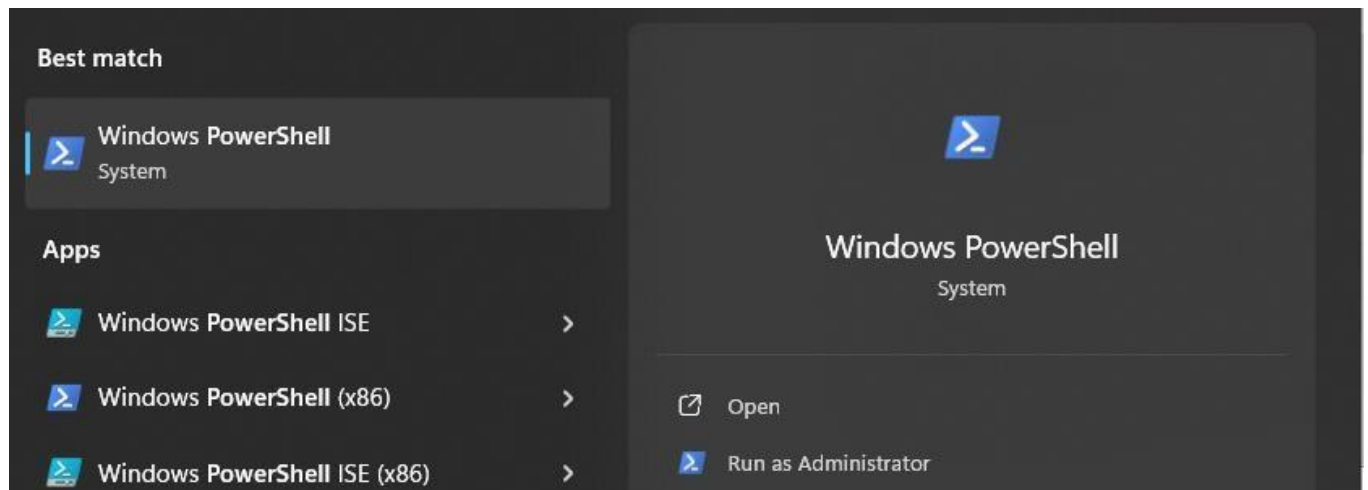

Step 2: Extract the downloaded `Terraform.exe` file to the `C:\Terraform` directory on your computer.

Step 3: Configure the system path for Terraform in the Environment Variables.

Step 4: Launch Windows PowerShell with administrator privileges.

Step 5: Run the command `terraform` to confirm its functionality. If any errors occur, review and update the Terraform path in your environment variables as needed.


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

PS C:\Users\abhin> 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
```