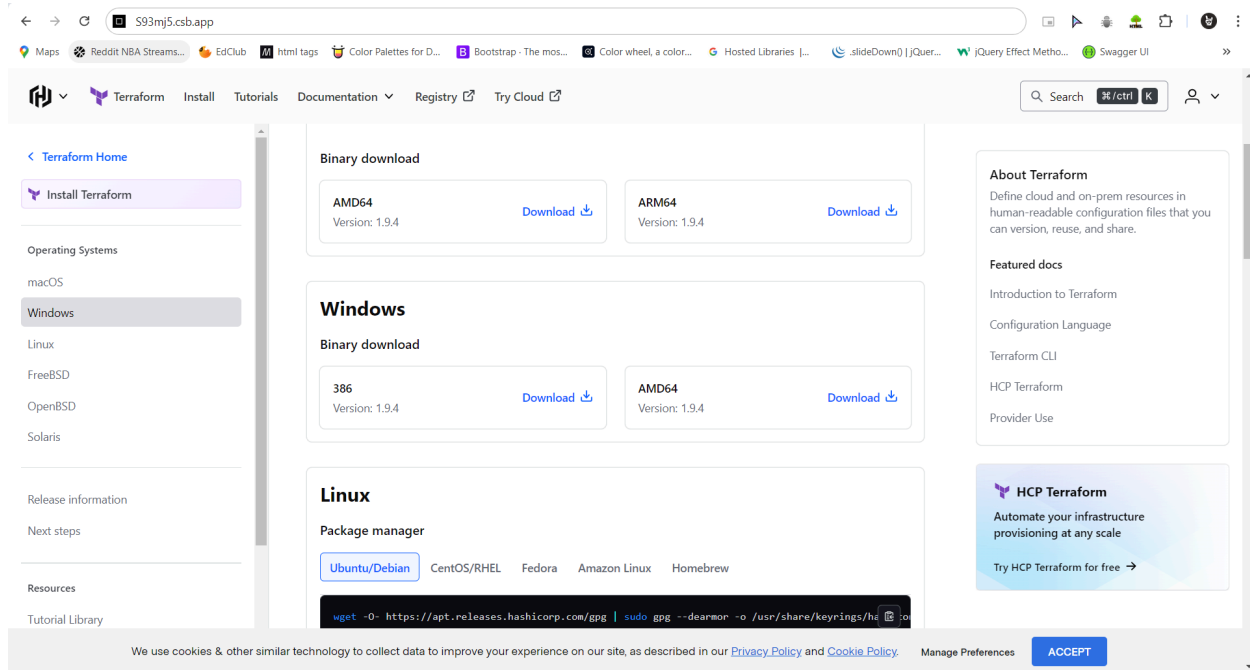
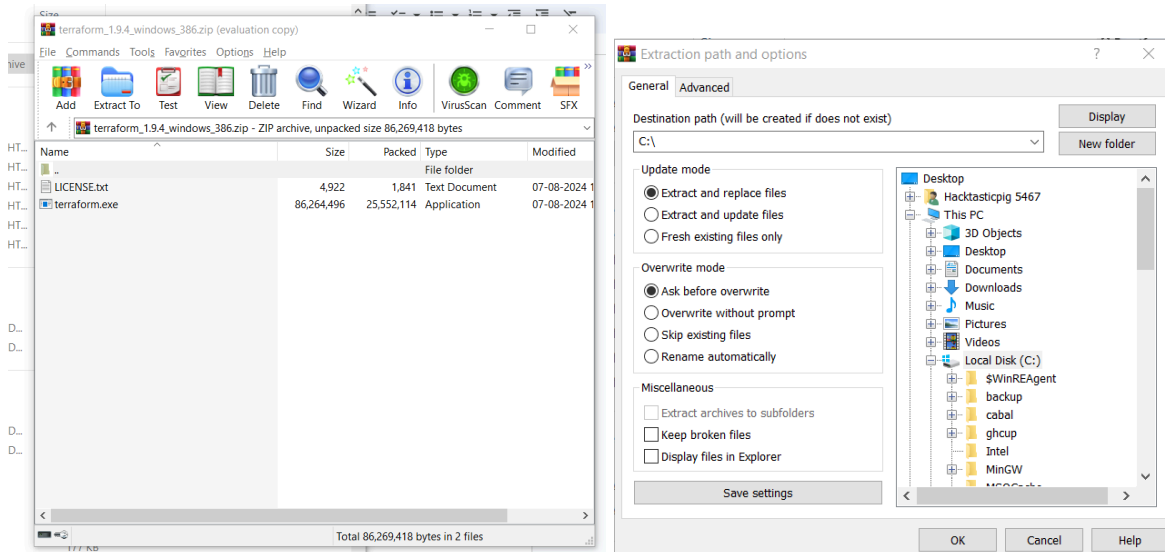


**Aim:** To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine and windows

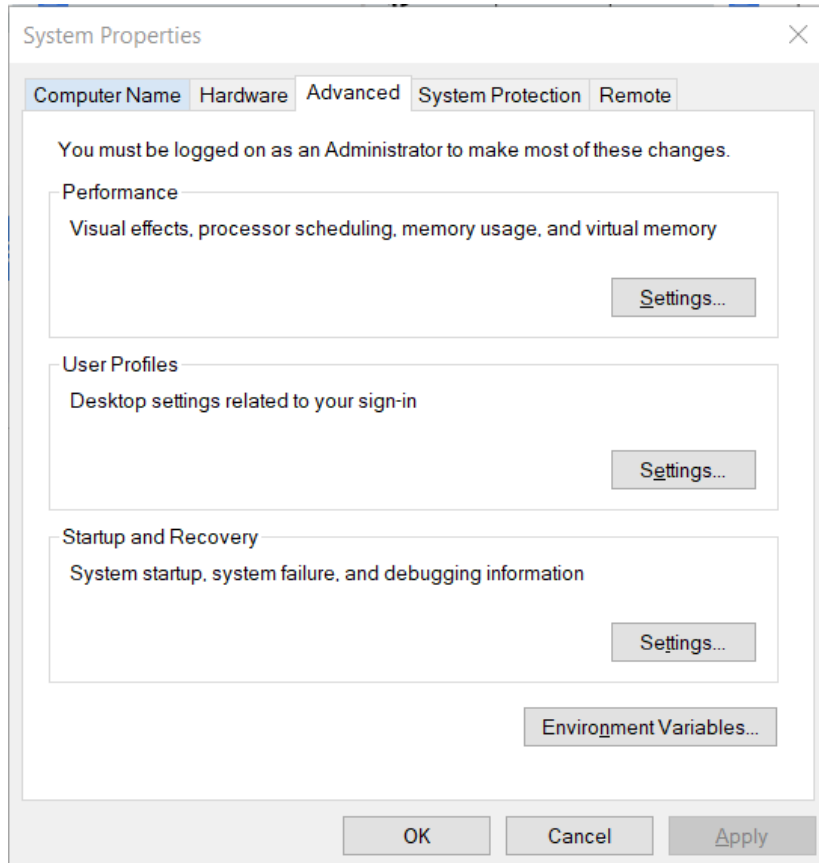
1. To install terraform, go to “<https://developer.hashicorp.com/terraform/install>”. Visit the site and search for windows system download. You can either select 386 or AMD64 bit version.



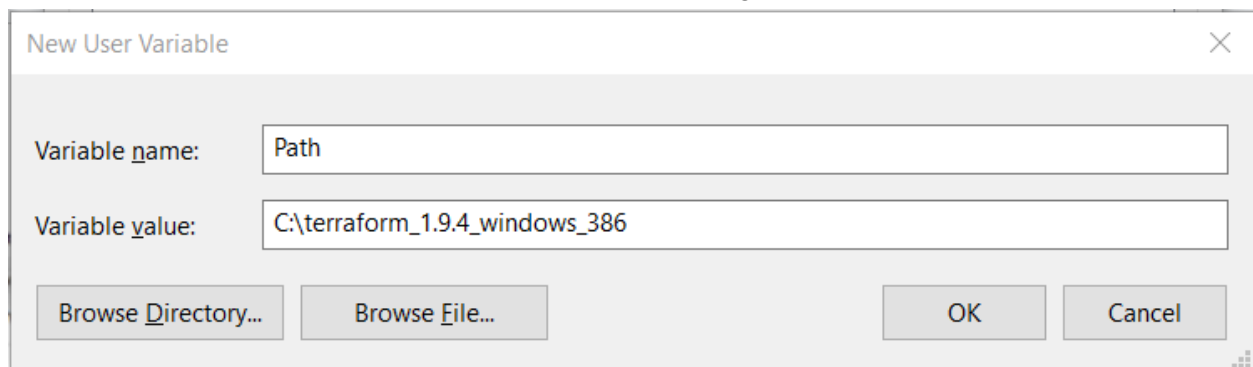
2. Extract the downloaded zip file in a suitable file in your pc.



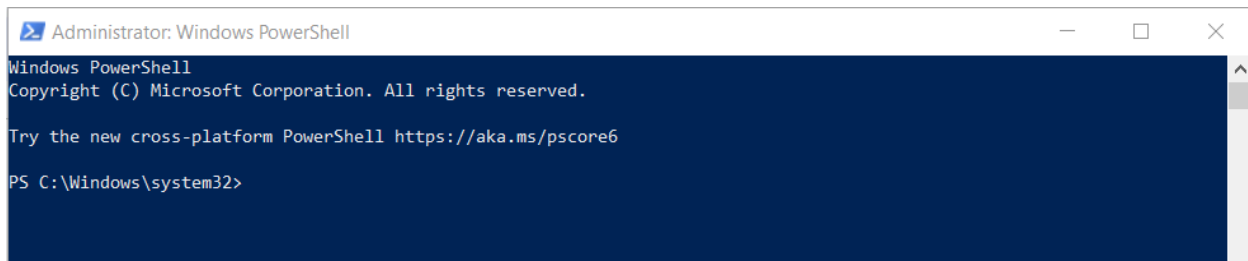
3. Copy the path where the file has been extracted. Now we need to setup the environment variable. Click on Environment variable in system properties.



4. Create a new variable with name as Path and value as the path of the file where the terraform.exe file has been extracted, and save the changes.



5. Open the windows power shell as an administrator.

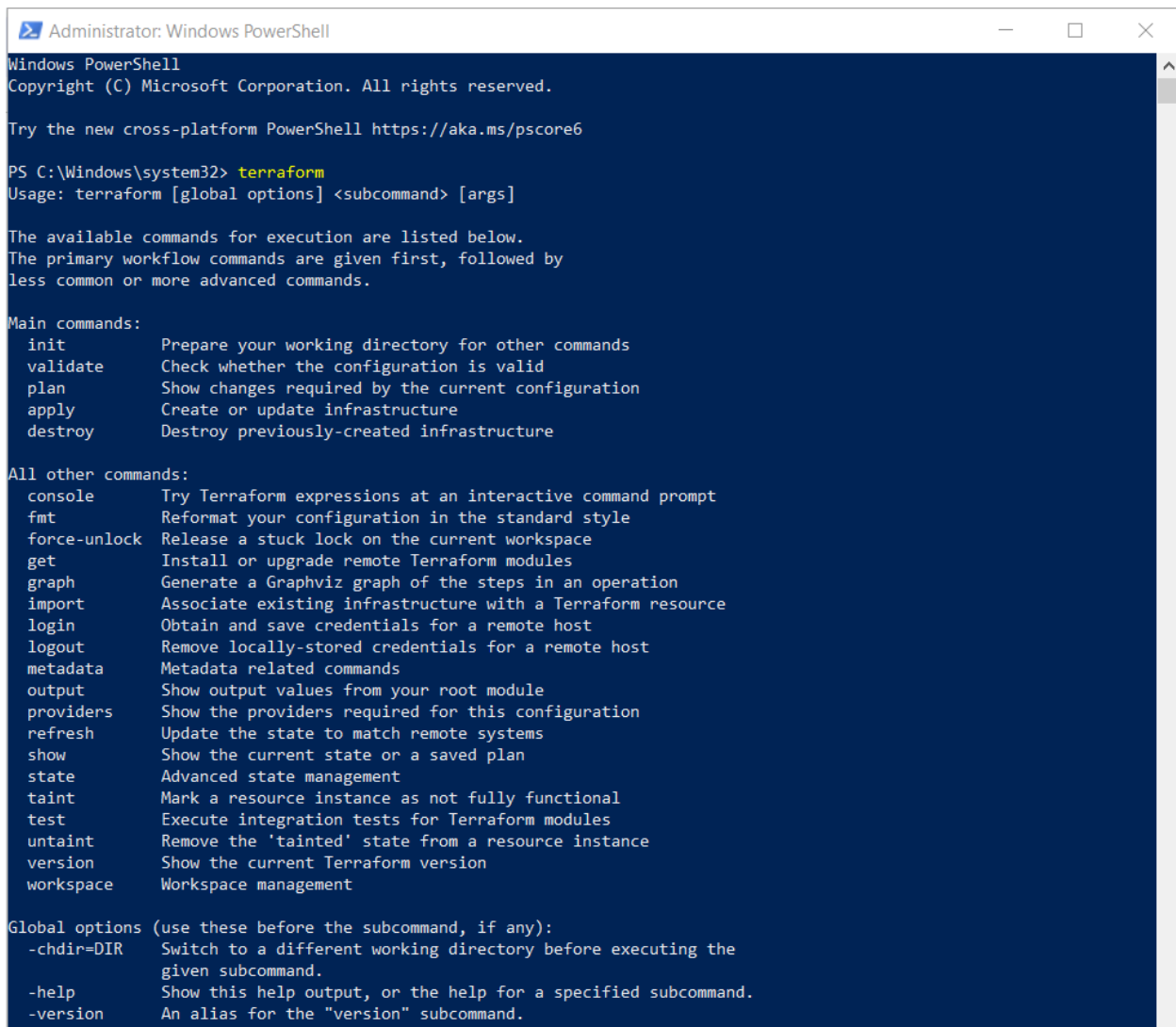


```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Windows\system32>
```

6. Type “terraform” in powershell. If the installation was successful and you have setup the path variable properly, you will be able to see list of available commands in terraform.



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

PS C:\Windows\system32> 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.
```