

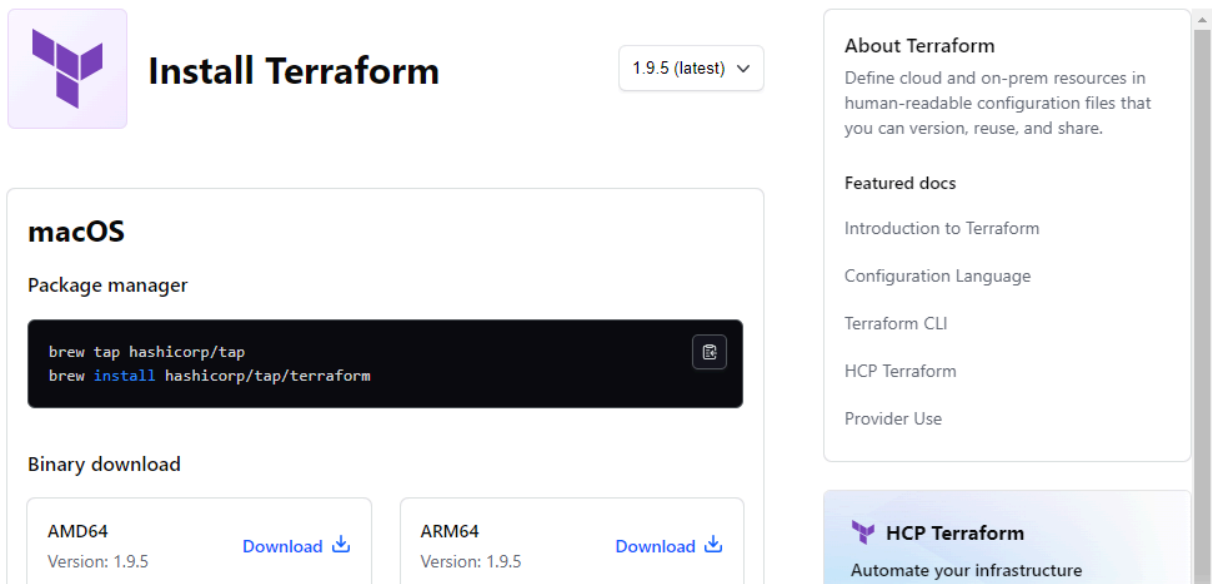
NAME:VAISHNAL MALI

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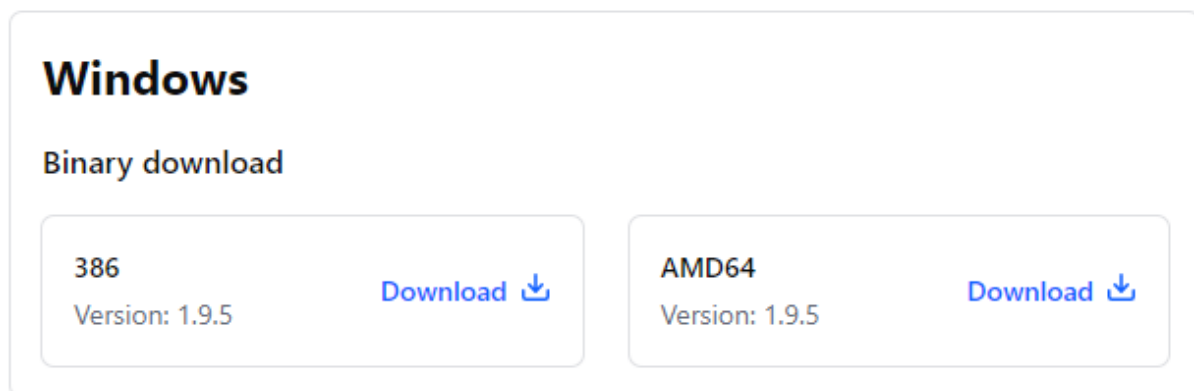
ADVANCED DEV-OPS EXPERIMENT-05

AIM:To understand terraform lifecycle, core concepts/terminologies and install it on a Linux Machine and Windows.

Step 1: Go to the website Terraform.io and install terraform from there.Select the AMD64 option for windows.




The screenshot shows the 'Install Terraform' page on the Terraform.io website. At the top left is the Terraform logo, followed by the heading 'Install Terraform' and a dropdown menu showing '1.9.5 (latest)'. Below this, the 'macOS' section is highlighted. Under 'Package manager', there is a terminal code block with the commands: `brew tap hashicorp/tap` and `brew install hashicorp/tap/terraform`. Under 'Binary download', there are two options: 'AMD64 Version: 1.9.5' and 'ARM64 Version: 1.9.5', each with a 'Download' button and a download icon. To the right, there is a sidebar with 'About Terraform' (describing it as a tool to define cloud and on-prem resources), 'Featured docs' (listing Introduction to Terraform, Configuration Language, Terraform CLI, HCP Terraform, and Provider Use), and a 'HCP Terraform' section with the tagline 'Automate your infrastructure'.

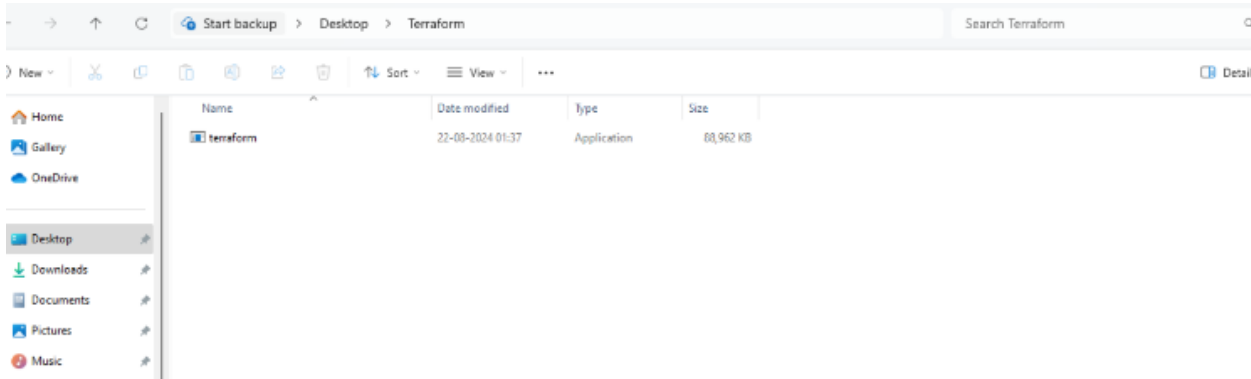


The screenshot shows the 'Windows' section of the Terraform.io website. It features the heading 'Windows' and the sub-heading 'Binary download'. Below this, there are two download options: '386 Version: 1.9.5' and 'AMD64 Version: 1.9.5'. Each option has a 'Download' button and a download icon.

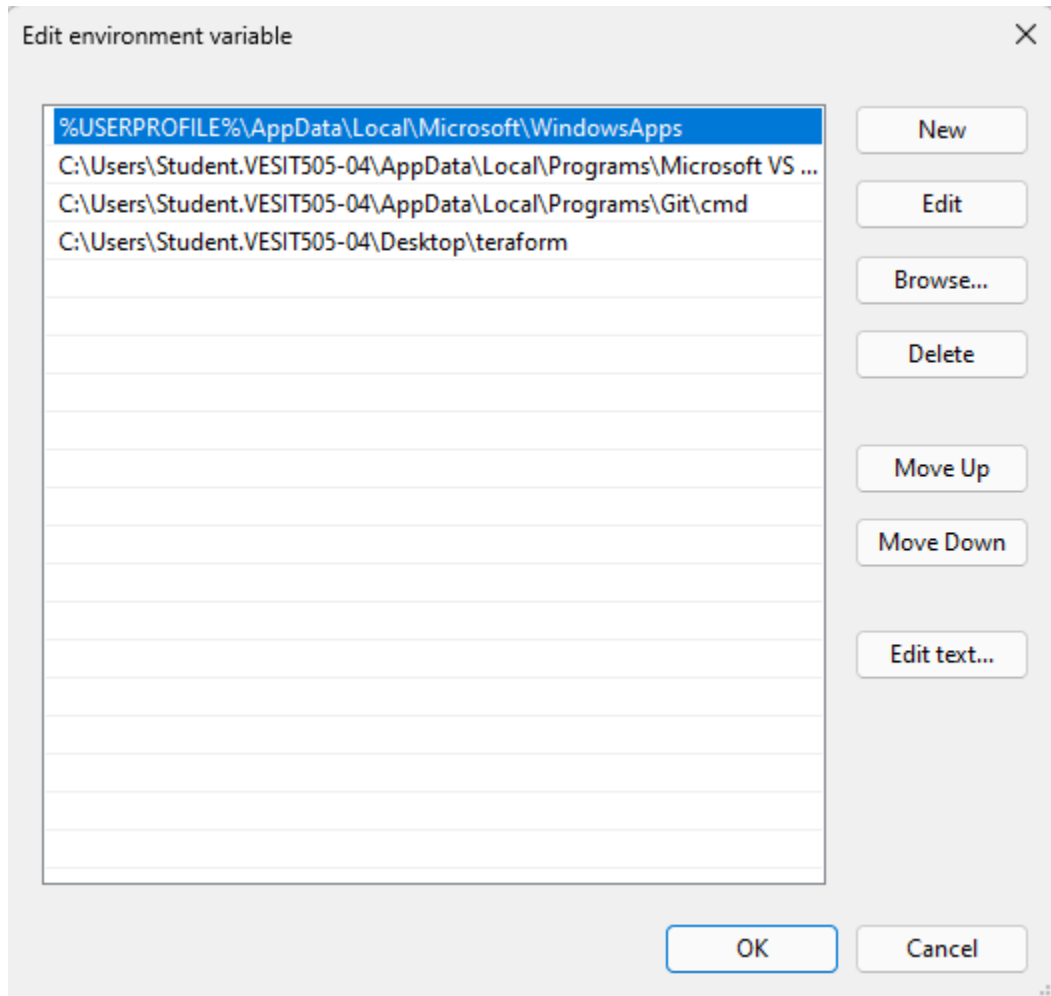
Step 2:Go to the zip file where terraform is installed.

Name	Date modified	Type	Size
 terraform	22-08-2024 14:09	Application	88,962 KB

Step 3:Since the entire file is zip create the folder on desktop copy the terraform file there.



Step 4: Now go to search bar and edit environmental variable copy the folder path and paste it in enviormntal variable.



Step 5: Now go to folder where we install terraform and open it in powershell.type command terraform and hit enter after that check the version of terraform.

```
Windows PowerShell
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PS C:\Users\Student.VESIT505-03.000\Desktop\Terraform> 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
```

```
Windows PowerShell
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PS C:\Users\Student.VESIT505-04\Desktop\teraform> terraform --version
Terraform v1.9.5
on windows_amd64
PS C:\Users\Student.VESIT505-04\Desktop\teraform>
```