



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
Department of Information Technology
(NBA Accredited)



Department of Information Technology

Academic Year: 2025-26

Semester: V

Class / Branch: TEIT/Div C

Subject: DevOps Lab

Name of Instructor: Prof. Sujata Oak

Name of Student: Vedant Terse

Student ID: 23104195

Date of Performance: 23/7/25

Date of Submission: 23/7/25

Experiment No.3

Aim:- To understand and perform version control system / source code management using Git

```
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ ls
helllooo.txt  hello.txt  HOSTfile  README.md
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$
```

```
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch featureC
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
  featureC
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git checkout featureC
Switched to branch 'featureC'
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
* featureC
  main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$
```



```

GNU nano 7.2                                add.py
num1=int(input("Enter 1st number"))
num2=int(input("Enter 2nd number"))
addition=num1+num2
print(addition)

```

```

apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ nano add.py
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ python3 add.py
Enter 1st number1
Enter 2nd number2
3
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ 

```

featureC had recent pushes 2 seconds ago [Compare & pull request](#)

main 1 Branch 0 Tags [Add file](#) [Code](#)

vedantterse01 final	31114c8 · 19 minutes ago	8 Commits
HOSTfile	Create HOSTfile	last week
README.md	Update README.md	last week
helllooo.txt	final	19 minutes ago
hello.txt	testing2	25 minutes ago

```

On branch featureC
nothing to commit, working tree clean
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ 

```

```

apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git log
commit 9a1275517a48c87c8b7a7e211461a1faaf6b6b49 (HEAD -> featureC)
Author: vedantterse01 <vedantterse7605@gmail.com>
Date: Wed Jul 23 10:45:37 2025 +0530

    addition program

commit 31114c80df17b31e98c4f127fb4a1d90109633c9 (origin/main, origin/HEAD, main)
Author: vedantterse01 <vedantterse7605@gmail.com>
Date: Wed Jul 23 10:35:47 2025 +0530

    final

commit 3a9ad8106d28ec8940c4817fcfd782fd16c4bac
Author: vedantterse01 <jitukotian2004@gmail.com>
Date: Wed Jul 23 10:29:20 2025 +0530

    testing2

```

```

COMMIT_EDITMSG  description  HEAD          index  logs  ORIG_HEAD  refs
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11/.git$ cat COMMIT_EDITMSG
added 3 file
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11/.git$ cd ..
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ ;s
bash: syntax error near unexpected token `;'
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ ls
add.py  featureC-1  featureC-2  featureC-3  helllooo.txt  hello.txt  HOSTfile  README.md
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ branch
Command 'branch' not found, but can be installed with:
sudo apt install rheolef
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
  featureC
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch -d featureC
Deleted branch featureC (was a4c5bd3).
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git push origin main
Everything up-to-date
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git push --delete origin featureC
To https://github.com/vedantterse01/gittesting.git
- [deleted]          featureC
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$

```

vedantterse01 / gittesting

Type to search

<> Code

Issues

Pull requests 1

Actions

Projects

Wiki

Security

Insights

Settings

gittesting

Public

Pin

Watch 0

featureC

2 Branches

0 Tags

Go to file

Add file

<> Code

This branch is 2 commits ahead of main.

#1

vedantterse01

added 3 file

a4c5bd3 · 2 minutes ago

10 Commits

HOSTfile	Create HOSTfile	last week
README.md	Update README.md	last week
add.py	addition program	20 minutes ago
featureC-1	added 3 file	2 minutes ago
featureC-2	added 3 file	2 minutes ago
featureC-3	added 3 file	2 minutes ago
helllooo.txt	final	30 minutes ago
hello.txt	testing2	36 minutes ago

README

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No pa


Publis


Cont

```

COMMIT_EDITMSG description HEAD      index logs ORIG_HEAD refs
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11/.git$ cat COMMIT_EDITMSG
added 3 file
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11/.git$ cd ..
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ ;s
bash: syntax error near unexpected token `;'
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ ls
add.py featureC-1 featureC-2 featureC-3 helllooo.txt hello.txt HOSTfile README.md
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ branch
Command 'branch' not found, but can be installed with:
sudo apt install rheolef
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
  featureC
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch -d featureC
Deleted branch featureC (was a4c5bd3).
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git branch
* main
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git push origin main
Everything up-to-date
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$ git push --delete origin featureC
To https://github.com/vedantterse01/gittestting.git
- [deleted]          featureC
apsit@apsit-HP-ProDesk-600-G4-PCI-MT:~/Desktop/vedant11$


```


vedantterse01 merged commit **e6d50ee** into **main** [now](#)
Revert



Pull request successfully merged and closed
Delete branch

You're all set — the **featureC** branch can be safely deleted.


Add a comment

Write

Preview

H B I

Add your comment here...

Project

None

Milestone

No milestone

Development

Successful

These

None

Labels

FG

vedantterse01 / gittestting

Q Type [] to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

gittestting

Public

Pin

Watch 0

main

2 Branches

0 Tags

Go to file

t

Add file

<> Code

vedantterse01

Merge pull request #1 from vedantterse01/featureC

e6d50ee · 2 minutes ago

11 Commits

HOSTfile	Create HOSTfile	last week
README.md	Update README.md	last week
add.py	addition program	26 minutes ago
featureC-1	added 3 file	9 minutes ago
featureC-2	added 3 file	9 minutes ago
featureC-3	added 3 file	9 minutes ago
helllooo.txt	final	36 minutes ago
hello.txt	testing2	42 minutes ago

README

TESTING GIT EXP2

No d
provi

No rel
Create

Pack
No pa
Publis

Cont