

**Name: Prashanth Raghavendra Rao**

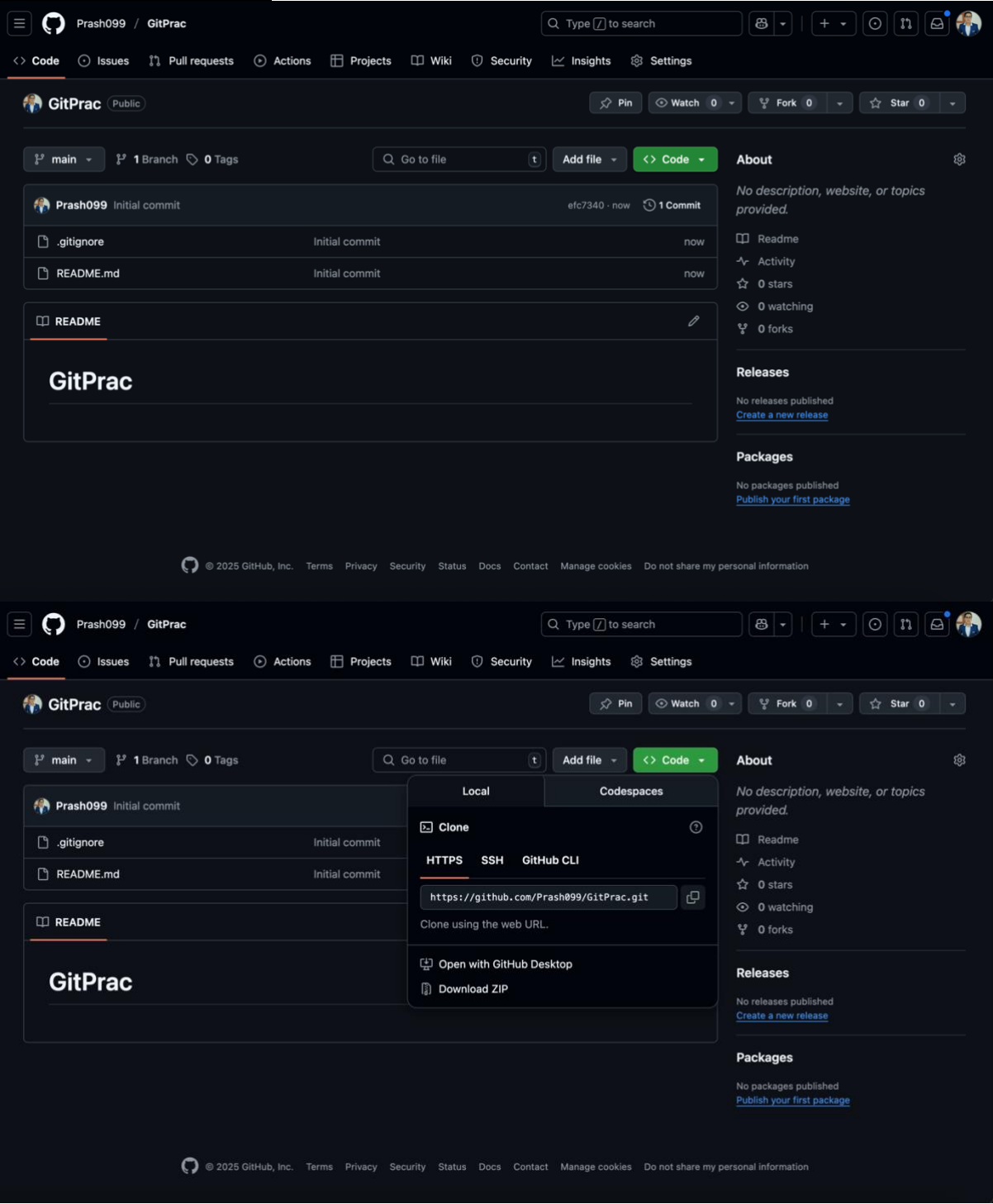
**Task: Git VCS**

**Date: 13/06/2025**

**Task Description:**

Establish a new directory, populate it with script files, initiate an empty repository on GitHub, convert the local directory into a Git repository, and link it to GitHub for pushing the code into the repository. Perform merge, rebase, stash commands in following github repo.

# Create GitHub Repo



## Git Push Init File

The image shows a VS Code terminal window and a GitHub repository page for 'GitPrac'.

**VS Code Terminal:**

```
(base) Prashanth's-MacBook-Pro-2:Task 10 prashanthr$ git clone git@github.com:Prash099/GitPrac.git
Cloning into 'GitPrac'...
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (4/4), done.
(base) Prashanth's-MacBook-Pro-2:Task 10 prashanthr$ cd GitPrac/
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ nano testprash.py
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ cat testprash.py
print("Hi, this is Prashanth")
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git add .
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   testprash.py
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git commit -m "ADD INIT FILE"
[main fa66436] ADD INIT FILE
1 file changed, 1 insertion(+)
create mode 100644 testprash.py
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git push
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 354 bytes | 354.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Prash099/GitPrac.git
   efc7340..fa66436  main -> main
(base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$
```

**GitHub Repository Page:**

Prash099 / GitPrac

main 1 Branch 0 Tags

Go to file Add file <> Code

**Prash099 ADD INIT FILE** fa66436 · 3 minutes ago 2 Commits

File	Commit	Time
.gitignore	Initial commit	12 minutes ago
README.md	Initial commit	12 minutes ago
testprash.py	ADD INIT FILE	3 minutes ago

**README**

**GitPrac**

**About**

No description, website, or topics provided.

**Releases**

No releases published  
[Create a new release](#)

**Packages**

No packages published  
[Publish your first package](#)

**Languages**

Python 100.0%

## Git Merge

The screenshot shows a development environment with a terminal window and a web browser.

**Terminal Window:**

```
Counting objects: 100% (4/4), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 354 bytes | 354.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Prash099/GitPrac.git
   efc7340..fa66436  main -> main
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git checkout -b prashbranch
Switched to a new branch 'prashbranch'
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ nano testprash2.py
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ cat testprash2.py
print("Hi, This is Prashanth File 2")
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git add .
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git status
On branch prashbranch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   testprash2.py
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git commit -m "Add New Branch File"
[prashbranch e347f92] Add New Branch File
 1 file changed, 1 insertion(+)
   create mode 100644 testprash2.py
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git push
fatal: The current branch prashbranch has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin prashbranch

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$ git push --set-upstream origin prashbranch
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 10 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 326 bytes | 326.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote: Create a pull request for 'prashbranch' on GitHub by visiting:
remote:   https://github.com/Prash099/GitPrac/pull/new/prashbranch
remote:
To github.com:Prash099/GitPrac.git
   = [new branch] prashbranch -> prashbranch
branch 'prashbranch' set up to track 'origin/prashbranch'.
* (base) Prashanth's-MacBook-Pro-2:GitPrac prashanthr$
```

**Web Browser:**

The browser shows the GitHub repository page for **Prash099 / GitPrac**. The repository is public and has 2 commits. The main branch is selected. The repository contains the following files:

- .gitignore
- README.md
- testprash2.py

The README file is open, showing the title **GitPrac**.

Prash099 / GitPrac

Q Type to search

+

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Branches

New branch

Overview

Yours

Active

Stale

All

Q Search branches...

Default

Branch	Updated	Check status	Behind	Ahead	Pull request
main	4 minutes ago			Default	

Your branches

Branch	Updated	Check status	Behind	Ahead	Pull request
prashbranch	1 minute ago		0	1	

Active branches

Branch	Updated	Check status	Behind	Ahead	Pull request
prashbranch	1 minute ago		0	1	

Prash099 / GitPrac

Q Type to search

+

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

GitPrac

Public

Pin

Watch 0

Fork 0

Star 0

prashbranch had recent pushes 1 minute ago

Compare & pull request

prashbranch

2 Branches

0 Tags

Go to file

Add file

<> Code

This branch is 1 commit ahead of main.

Contribute

Prash099 Add New Branch File

e347f92 · 1 minute ago

3 Commits

.gitignore	Initial commit	14 minutes ago
README.md	Initial commit	14 minutes ago
testprash.py	ADD INIT FILE	5 minutes ago
testprash2.py	Add New Branch File	1 minute ago

README

GitPrac

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

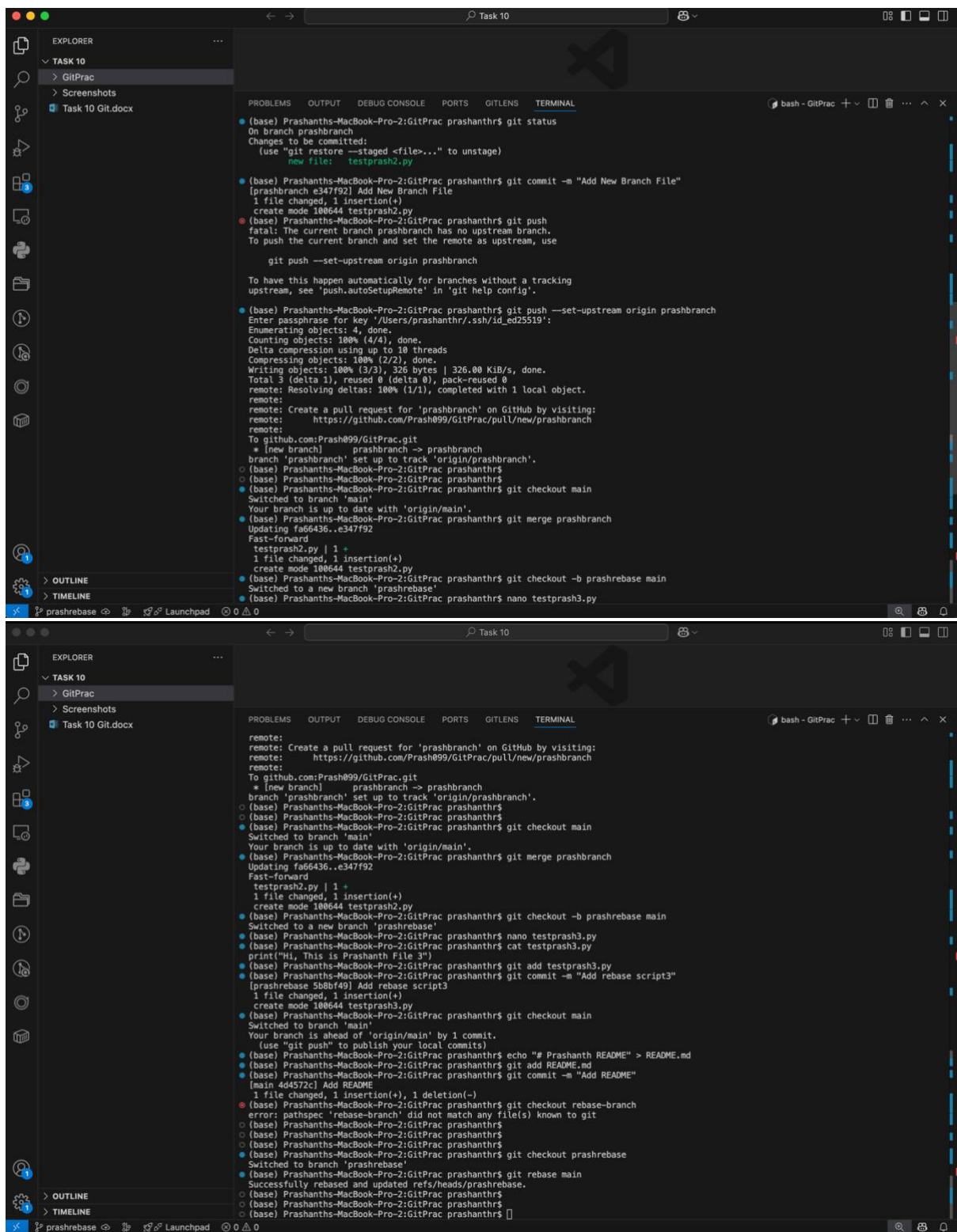
No packages published

Publish your first package

Languages

Python 100.0%

## Git Rebase Stash



The image displays two screenshots of a Visual Studio Code terminal window, showing a series of Git commands and their outputs. The terminal is titled "Task 10" and the shell is "bash - GitPrac".

**Top Screenshot:**

- On branch prashbranch
- Changes to be committed: (use "git restore --staged <file>..." to unstage)
- new file: testprash2.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git commit -m "Add New Branch File"
- [prashbranch e347f92] Add New Branch File
- 1 file changed, 1 insertion(+)
- create mode 100644 testprash2.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git push
- fatal: The current branch prashbranch has no upstream branch.
- To push the current branch and set the remote as upstream, use
- git push --set-upstream origin prashbranch
- To have this happen automatically for branches without a tracking upstream, see 'push.autoSetupRemote' in 'git help config'.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git push --set-upstream origin prashbranch
- Enter passphrase for key '/Users/prashanthr/.ssh/id\_ed25519':
- Enumerating objects: 4, done.
- Counting objects: 100% (4/4), done.
- Delta compression using up to 10 threads
- Compressing objects: 100% (2/2), done.
- Writing objects: 100% (3/3), 326 bytes | 326.00 KiB/s, done.
- Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
- remote: Resolving deltas: 100% (1/1), completed with 1 local object.
- remote:
- remote: Create a pull request for 'prashbranch' on GitHub by visiting:
- remote: <https://github.com/Prash099/GitPrac/pull/new/prashbranch>
- remote:
- To github.com:Prash099/GitPrac.git
- \* [new branch] prashbranch -> prashbranch
- branch 'prashbranch' set up to track 'origin/prashbranch'.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout main
- Switched to branch 'main'
- Your branch is up to date with 'origin/main'.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git merge prashbranch
- Updating fa66436..e347f92
- Fast-forward
- testprash2.py | 1 +
- 1 file changed, 1 insertion(+)
- create mode 100644 testprash2.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout -b prashrebase main
- Switched to a new branch 'prashrebase'
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ nano testprash3.py

**Bottom Screenshot:**

- remote:
- remote: Create a pull request for 'prashbranch' on GitHub by visiting:
- remote: <https://github.com/Prash099/GitPrac/pull/new/prashbranch>
- remote:
- To github.com:Prash099/GitPrac.git
- \* [new branch] prashbranch -> prashbranch
- branch 'prashbranch' set up to track 'origin/prashbranch'.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout main
- Switched to branch 'main'
- Your branch is up to date with 'origin/main'.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git merge prashbranch
- Updating fa66436..e347f92
- Fast-forward
- testprash2.py | 1 +
- 1 file changed, 1 insertion(+)
- create mode 100644 testprash2.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout -b prashrebase main
- Switched to a new branch 'prashrebase'
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ nano testprash3.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ cat testprash3.py
- print("Hi, This is Prashanth File 3")
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git add testprash3.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git commit -m "Add rebase script3"
- [prashrebase 508bf40] Add rebase script3
- 1 file changed, 1 insertion(+)
- create mode 100644 testprash3.py
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout main
- Switched to branch 'main'
- Your branch is ahead of 'origin/main' by 1 commit.
- (use "git push" to publish your local commits)
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ echo "# Prashanth README" > README.md
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git add README.md
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git commit -m "Add README"
- [main 404572c] Add README
- 1 file changed, 1 insertion(+), 1 deletion(-)
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout rebase-branch
- error: pathspec 'rebase-branch' did not match any file(s) known to git
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git checkout prashrebase
- Switched to branch 'prashrebase'
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$ git rebase main
- Successfully rebased and updated refs/heads/prashrebase.
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$
- (base) Prashanth-MacBook-Pro-2:GitPrac prashanthr\$



```
branch 'prashbranch' set up to track 'origin/prashbranch'.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git merge prashbranch
Updating fa66436..e347f92
Fast-forward
 testprash2.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 testprash2.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout -b prashrebase main
Switched to a new branch 'prashrebase'
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ nano testprash3.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ cat testprash3.py
print("Hi, This is Prashanth File 3")
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git add testprash3.py
[prashrebase 5b8bf40] Add rebase script3
 1 file changed, 1 insertion(+)
 create mode 100644 testprash3.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ echo "# Prashanth README" > README.md
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git add README.md
[main 4d4572c] Add README
 1 file changed, 1 insertion(+), 1 deletion(-)
 error: pathspec 'rebase-branch' did not match any file(s) known to git
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout prashrebase
Switched to branch 'prashrebase'
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git rebase main
Successfully rebased and updated refs/heads/prashrebase.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ echo "Hi, This is Prashanth from file 4" >> testprash4.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash
No local changes to save
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash list
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash apply
No stash entries found.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
```

```
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git commit -m "Add rebase script3"
[prashrebase 5b8bf40] Add rebase script3
 1 file changed, 1 insertion(+)
 create mode 100644 testprash3.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ echo "# Prashanth README" > README.md
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git add README.md
[main 4d4572c] Add README
 1 file changed, 1 insertion(+), 1 deletion(-)
 error: pathspec 'rebase-branch' did not match any file(s) known to git
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git checkout prashrebase
Switched to branch 'prashrebase'
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git rebase main
Successfully rebased and updated refs/heads/prashrebase.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ echo "Hi, This is Prashanth from file 4" >> testprash4.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash
No local changes to save
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash list
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git stash apply
No stash entries found.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git push
fatal: The current branch prashrebase has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin prashrebase

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanthr$ git push --set-upstream origin prashrebase
Enter passphrase for key '/Users/prashanthr/.ssh/id_ed25519':
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 10 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 555 bytes | 555.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
To git@github.com:Prashanth-MacBook-Pro-2:GitPrac
 + prashrebase -> prashrebase

```

Task 10

EXPLORER

- TASK 10
  - GitPrac
  - Screenshots
  - Task 10 Git.docx

PROBLEMS OUTPUT DEBUG CONSOLE PORTS GITLENS TERMINAL

```
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ echo "Hi, This is Prashanth from file 4" >> testprash4.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git stash
No local changes to save
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git stash list
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git stash apply
No stash entries found.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git push
fatal: The current branch prashrebase has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin prashrebase

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git push --set-upstream origin prashrebase
Enter passphrase for key '/Users/prashanth/.ssh/id_ed25519':
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 10 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 555 bytes | 555.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'prashrebase' on GitHub by visiting:
remote:   https://github.com/Prash099/GitPrac/pull/new/prashrebase
remote:
To github.com:Prash099/GitPrac.git
+ (new branch) prashrebase -> prashrebase
branch 'prashrebase' set up to track 'origin/prashrebase'.
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
(use 'git push' to publish your local commits)
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git merge prashrebase
Updating 4d4572c..471c581
Fast-forward
 testprash3.py | 1 +
 1 file changed, 1 insertion(+)
create mode 100644 testprash3.py
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$ git push
Enter passphrase for key '/Users/prashanth/.ssh/id_ed25519':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:Prash099/GitPrac.git
fa66436..471c581 main -> main
(base) Prashanth-MacBook-Pro-2:GitPrac prashanth$
```

GUVI

Branches - Prash099/GitPrac

VCS Task - Google Docs

github.com/Prash099/GitPrac/branches

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

## Branches

New branch

Overview Yours Active Stale All

Search branches...

### Default

Branch	Updated	Check status	Behind	Ahead	Pull request
main	now			Default	

### Your branches

Branch	Updated	Check status	Behind	Ahead	Pull request
prashrebase	1 minute ago		0	0	
prashbranch	26 minutes ago		2	0	

### Active branches

Branch	Updated	Check status	Behind	Ahead	Pull request
prashrebase	1 minute ago		0	0	
prashbranch	26 minutes ago		2	0	



Prash099 / GitPrac

Q Type to search

<> Code

Issues

Pull requests

Actions

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Settings

GitPrac

Public

Pin

Watch 0

Fork 0

Star 0

main

3 Branches

0 Tags

Go to file

t

Add file

<> Code

Prash099

Add rebase script3

471c581 · 21 minutes ago

5 Commits

.gitignore	Initial commit	40 minutes ago
README.md	Add README	22 minutes ago
testprash.py	ADD INIT FILE	30 minutes ago
testprash2.py	Add New Branch File	27 minutes ago
testprash3.py	Add rebase script3	21 minutes ago

README

Prashanth README

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

Python 100.0%