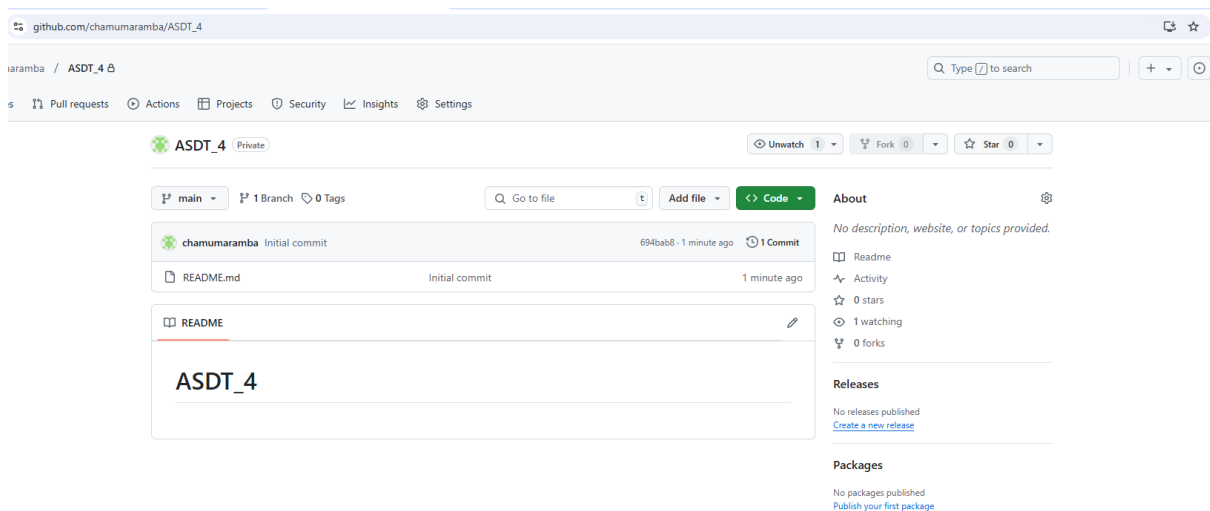
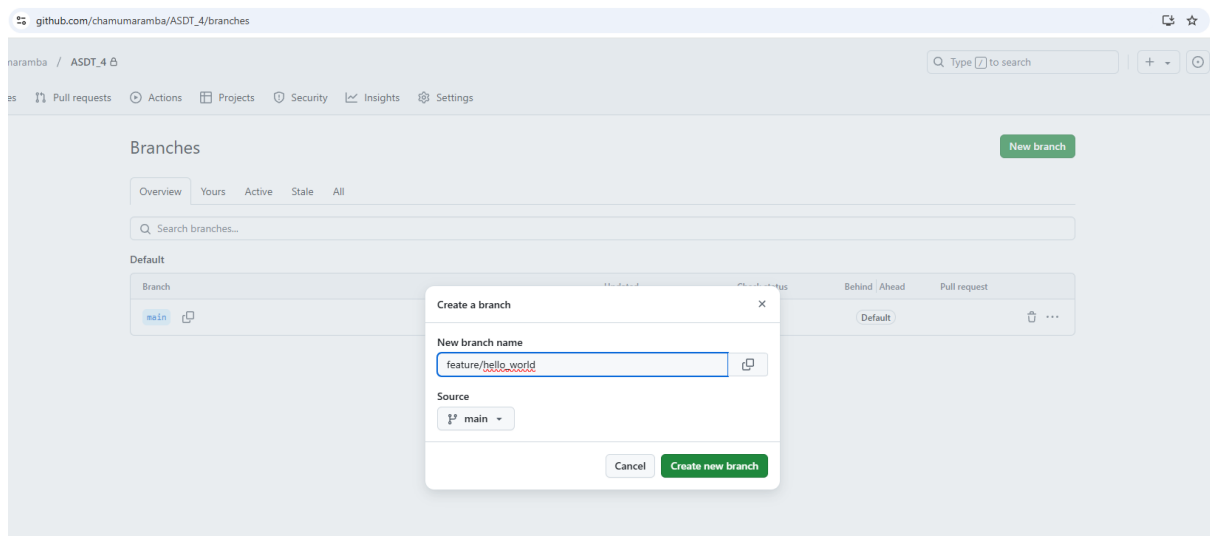


**TRUST MARAMBA**  
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**COMPUTER ENGINEERING(55DPH) 2024**  
**ADVANCED SOFTWARE DEVELOPMENT**  
**Exercise 3 ASDT Git**

**1. Created a private repository(ASDT\_4)**



**2. Created a new branch in the repository called feature/hello\_world.**



```
TrustMaramba@Chamu MINGW64 ~ (main)
$ git config --global user.email trustmaramba@gmail.com

TrustMaramba@Chamu MINGW64 ~ (main)
$ git config --global user.name chamumaramba

TrustMaramba@Chamu MINGW64 ~ (main)
$ git clone https://github.com/chamumaramba/ASDT_4.git
Cloning into 'ASDT_4'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

3. Created a new python/Java/C/C++ file that displays on the terminal “Hello world”.

```
TrustMaramba@Chamu MINGW64 ~ (main)
$ cd ASDT_4

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (main)
$ git checkout -b feature/hello_world
Switched to a new branch 'feature/hello_world'

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ echo 'print("Hello World")' > hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ ls
README.md  hello_world.py
```

4. Added file to the repo.
5. Created a new branch in the repository called feature/hello\_world.

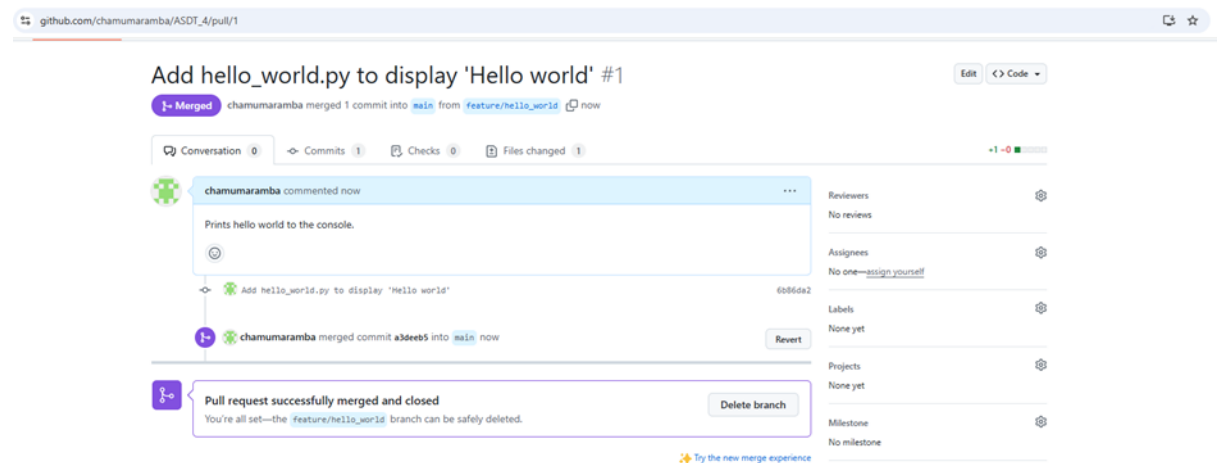
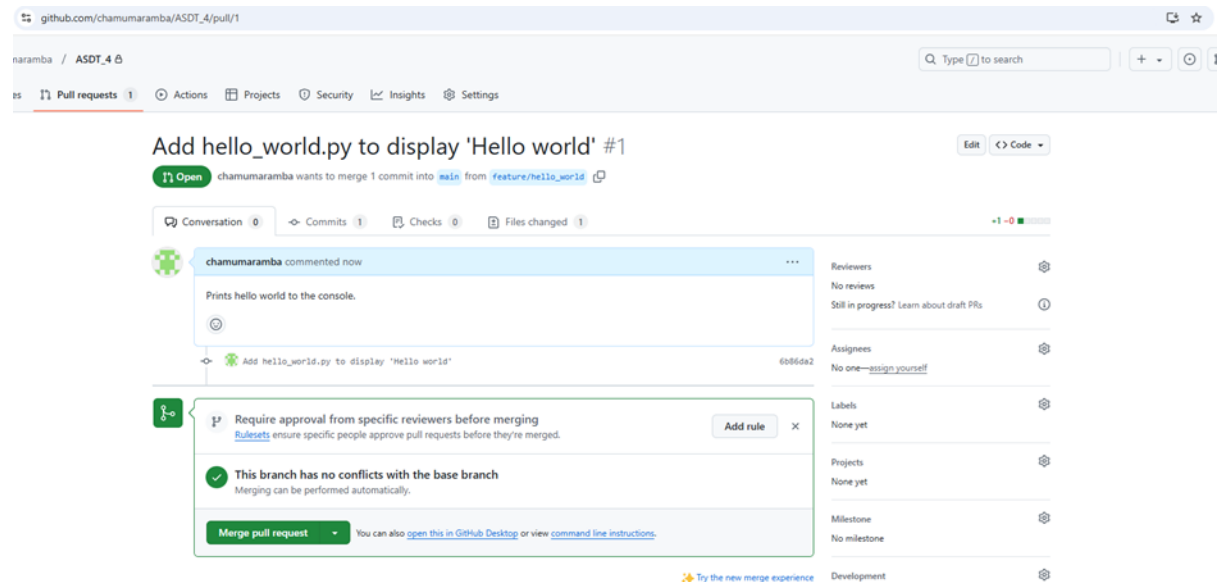
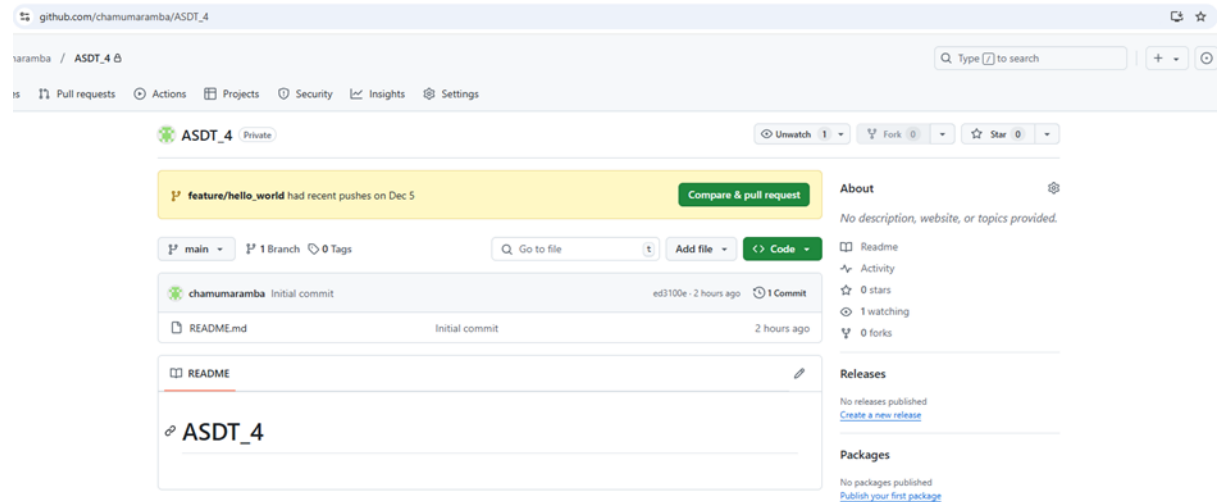
```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ git add hello_world.py
warning: in the working copy of 'hello_world.py', LF will be replaced by CRLF the next time Git touches it

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ git commit -m "Add hello_world.py to display 'Hello world'"
[feature/hello_world 6b86da2] Add hello_world.py to display 'Hello world'
 1 file changed, 1 insertion(+)
 create mode 100644 hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ git push -u origin feature/hello_world
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 331 bytes | 165.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/hello_world' on GitHub by visiting:
remote:   https://github.com/chamumaramba/ASDT_4/pull/new/feature/hello_world
remote:
To https://github.com/chamumaramba/ASDT_4.git
 * [new branch]   feature/hello_world -> feature/hello_world
branch 'feature/hello_world' set up to track 'origin/feature/hello_world'.

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ |
```

## 6. Created pull request and merge branch feature/hello\_world to branch main.



## 7. Create a new branch from branch *main* called *feature/hello\_world\_asdt*

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (main)
$ git pull
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 938 bytes | 187.00 KiB/s, done.
From https://github.com/chamumaramba/ASDT_4
   ed3100e..a3deeb5  main       -> origin/main
Updating ed3100e..a3deeb5
Fast-forward
   hello_world.py | 1 +
   1 file changed, 1 insertion(+)
   create mode 100644 hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (main)
$ git checkout -b feature/hello_world_asdt
Switched to a new branch 'feature/hello_world_asdt'
```

## 8. Modify python/Java/C/C++ file to display on the terminal “Hello ASDT world”.

- Used nano editor to edit the hello\_world file.



The screenshot shows a terminal window with the nano 8.2 text editor open. The file being edited is hello\_world.py. The current content of the file is a single line of Python code: `print("Hello World")`. The terminal title bar indicates the path is MINGW64/c/Users/Trust Maramba/ASDT\_4.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ nano hello_world.py

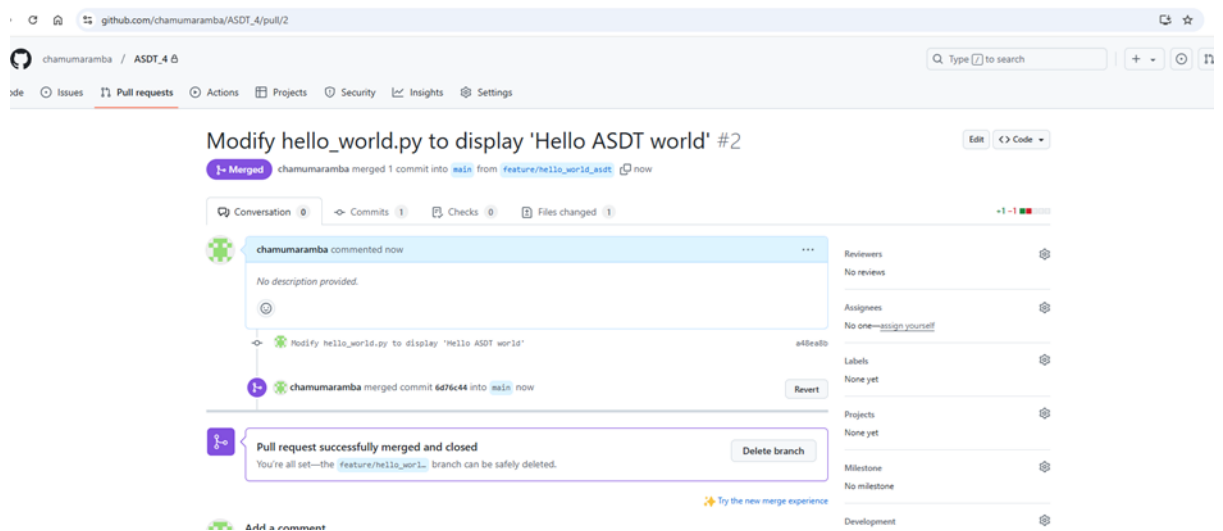
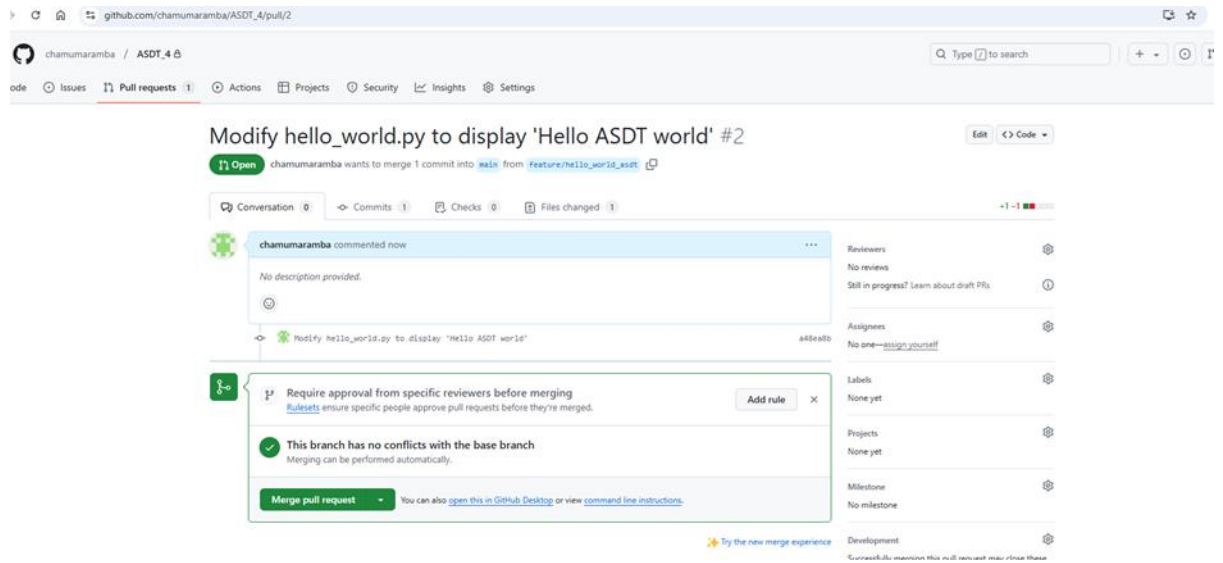
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ cat helloworld.py
cat: helloworld.py: No such file or directory

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ cat hello_world.py
print("Hello ASDT World")

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git add hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git commit -m "Modify hello_world.py to display 'Hello ASDT world'"
[feature/hello_world_asdt a48ea8b] Modify hello_world.py to display 'Hello ASDT world'
1 file changed, 1 insertion(+), 1 deletion(-)
```

## 9. Commit file.



## 10. Modify python/Java/C/C++ file to display on the terminal “Hello ASDT world with stashing”.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ nano hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ ls
README.md  hello_world.py

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ cat hello_world.py
print("Hello ASDT World with stashing")
```

## 11. Use git status and git diff to see current changes in the repo.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git status
On branch feature/hello_world_asdt
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   hello_world.py

no changes added to commit (use "git add" and/or "git commit -a")

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git diff
diff --git a/hello_world.py b/hello_world.py
index 427e022..9e149d4 100644
--- a/hello_world.py
+++ b/hello_world.py
@@ -1,1 @@
- print("Hello ASDT World")
+ print("Hello ASDT World with stashing")
```

## 12. Stash changes.

## 13. Push commit to remote repo.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git stash
Saved working directory and index state WIP on feature/hello_world_asdt: a48ea8b Modify hello_world.py to display 'Hello ASDT world'

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git push -u origin feature/hello_world_asdt
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 344 bytes | 344.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/hello_world_asdt' on GitHub by visiting:
remote:   https://github.com/chamumaramba/ASDT_4/pull/new/feature/hello_world_asdt
remote:
To https://github.com/chamumaramba/ASDT_4.git
 * [new branch]   feature/hello_world_asdt -> feature/hello_world_asdt
branch 'feature/hello_world_asdt' set up to track 'origin/feature/hello_world_asdt'.
```

## 14. Create pull request and merge branch feature/hello\_world\_asdt to branch main.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git stash list
stash@{0}: WIP on feature/hello_world_asdt: a48ea8b Modify hello_world.py to display 'Hello ASDT world'

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git stash apply
On branch feature/hello_world_asdt
Your branch is up to date with 'origin/feature/hello_world_asdt'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   hello_world.py

no changes added to commit (use "git add" and/or "git commit -a")
```

15. Create a new branch from stashed state and call it feature/hello\_world\_asdt\_stashing.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt)
$ git checkout -b feature/hello_world_asdt_stashing
Switched to a new branch 'feature/hello_world_asdt_stashing'

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt_stashing)
$ git add hello_world.py

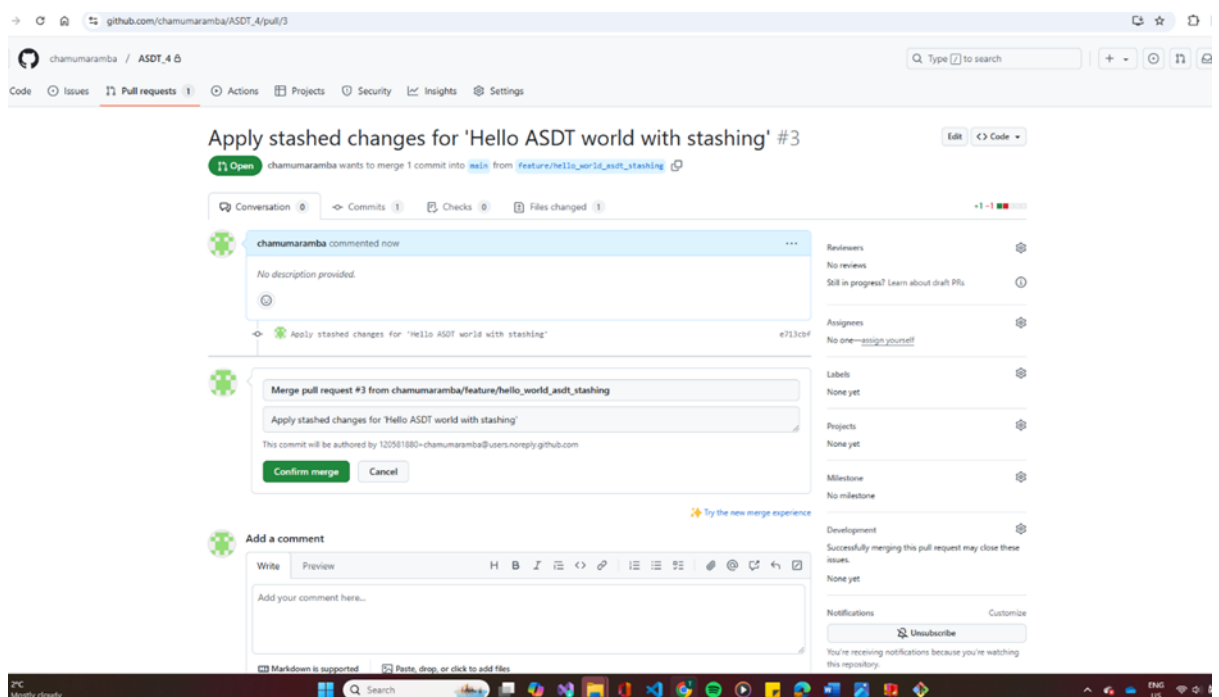
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt_stashing)
$ git commit -m "Apply stashed changes for 'Hello ASDT world with stashing'"
[feature/hello_world_asdt_stashing e713cbf] Apply stashed changes for 'Hello ASDT world with stashing'
1 file changed, 1 insertion(+), 1 deletion(-)
```

16. Push commit to remote repo.

```
TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt_stashing)
$ git push -u origin feature/hello_world_asdt_stashing
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 363 bytes | 181.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/hello_world_asdt_stashing' on GitHub by visiting:
remote:   https://github.com/chamumaramba/ASDT_4/pull/new/feature/hello_world_asdt_stashing
remote:
To https://github.com:chamumaramba/ASDT_4.git
 * [new branch]   feature/hello_world_asdt_stashing -> feature/hello_world_asdt_stashing
branch 'feature/hello_world_asdt_stashing' set up to track 'origin/feature/hello_world_asdt_stashing'.

TrustMaramba@Chamu MINGW64 ~/ASDT_4 (feature/hello_world_asdt_stashing)
$ |
```

17. Create pull request and merge branch feature/hello\_world\_asdt\_stasing to branch main.





github.com/chamumaramba/ASDT\_4/pull/3

chamumaramba / ASDT\_4

Code Issues Pull requests Actions Projects Security Insights Settings

## Apply stashed changes for 'Hello ASDT world with stashing' #3

Merged chamumaramba merged 1 commit into main from feature/hello\_world\_asdt\_stashing now

Conversation 0 Commits 1 Checks 0 Files changed 1

chamumaramba commented now

No description provided.

Apply stashed changes for 'Hello ASDT world with stashing'

chamumaramba merged commit dec451 into main now

Pull request successfully merged and closed

You're all set—the feature/hello\_world branch can be safely deleted.

Add a comment

Write Preview

Add your comment here...

Markdown is supported Paste, drop, or click to add files

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Development: Successfully merging this pull request may close these issues.

Notifications: Unsubscribe

You're receiving notifications because you're watching this repository.

github.com/chamumaramba/ASDT\_4/branches

chamumaramba / ASDT\_4

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## Branches

Overview Yours Active Stale All

Search branches...

### Default

Branch	Updated	Check status	Behind	Ahead	Pull request
main	39 minutes ago			Default	

### Your branches

Branch	Updated	Check status	Behind	Ahead	Pull request
feature/hello_world_asdt_stashing	41 minutes ago		2	0	#3
feature/hello_world_asdt	45 minutes ago		3	0	#2
feature/hello_world	1 hour ago		5	0	#1

### Active branches

Branch	Updated	Check status	Behind	Ahead	Pull request
feature/hello_world_asdt_stashing	41 minutes ago		2	0	#3
feature/hello_world_asdt	45 minutes ago		3	0	#2
feature/hello_world	1 hour ago		5	0	#1





