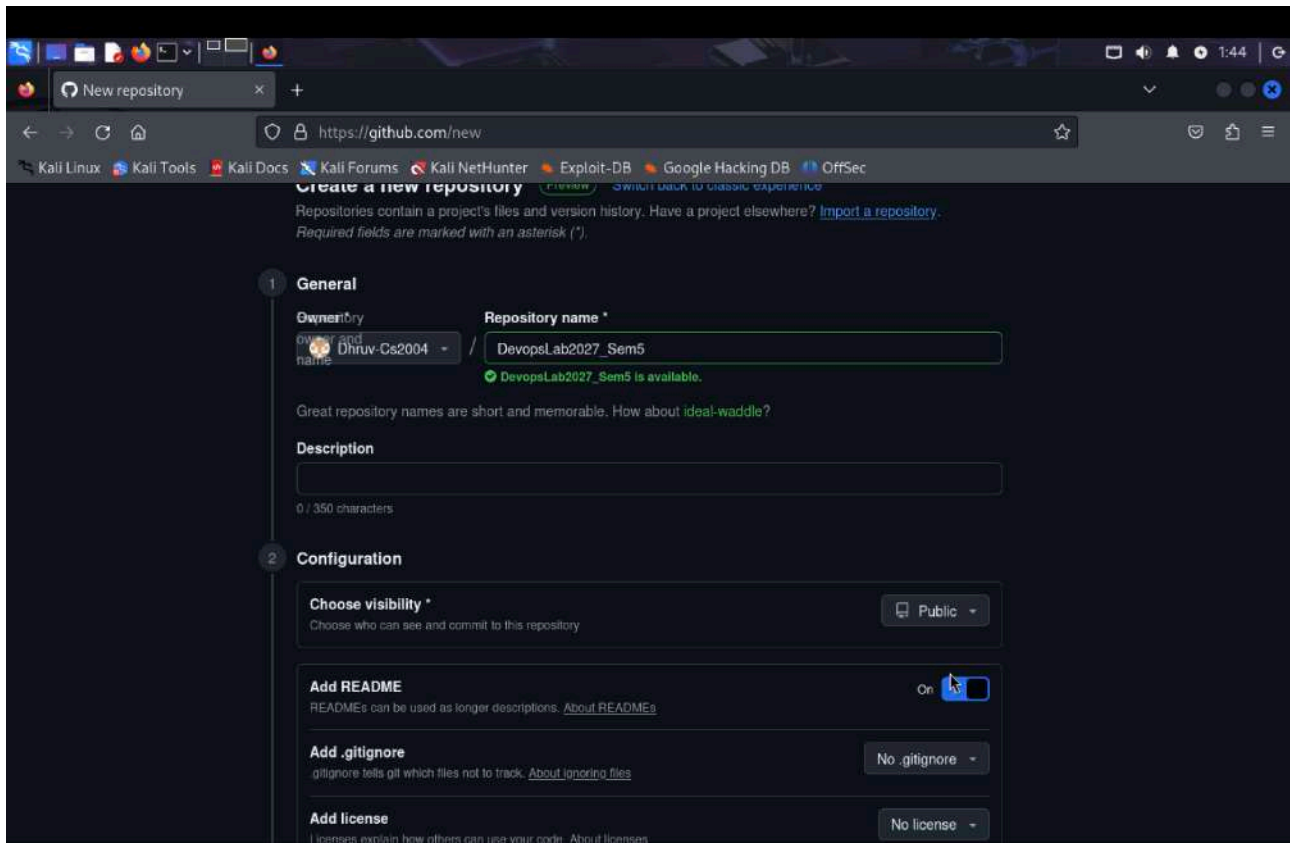
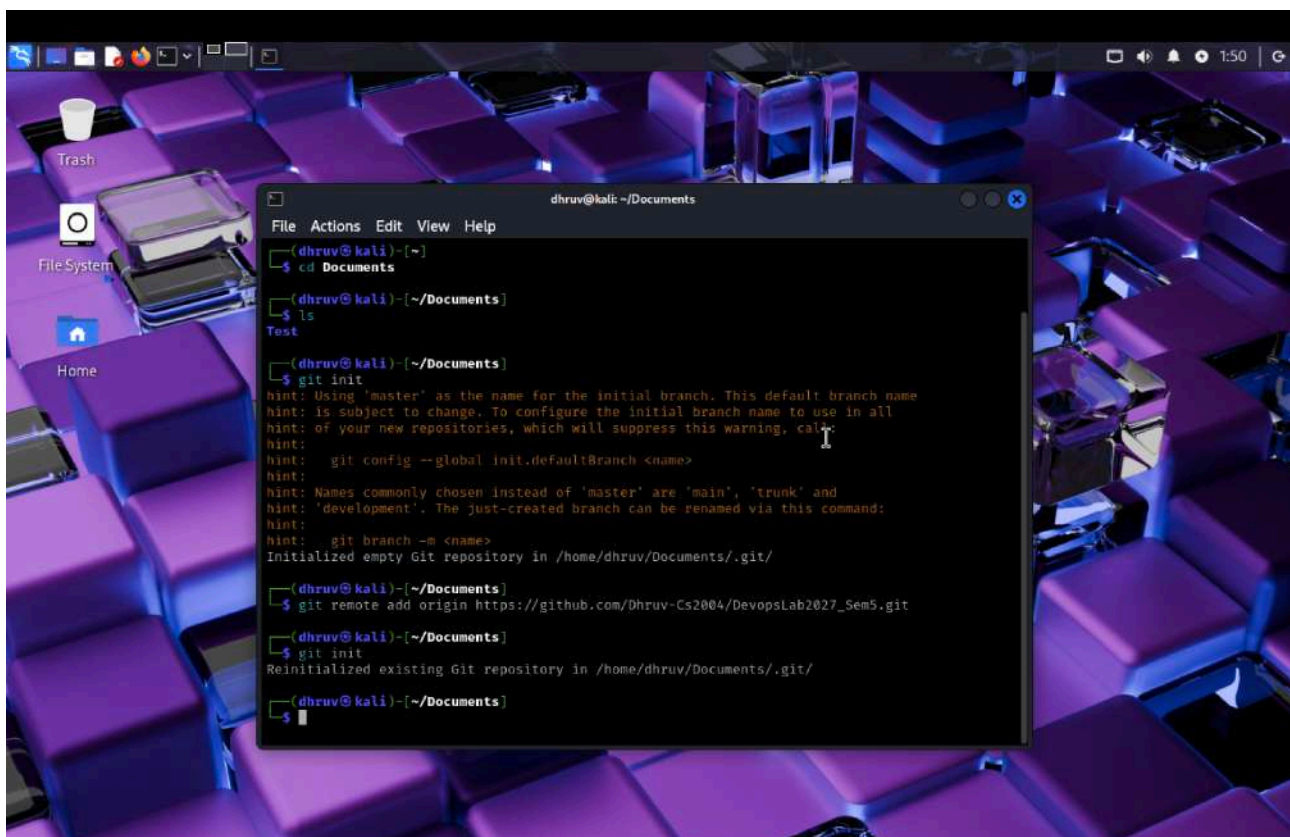


Creating A Git Repository

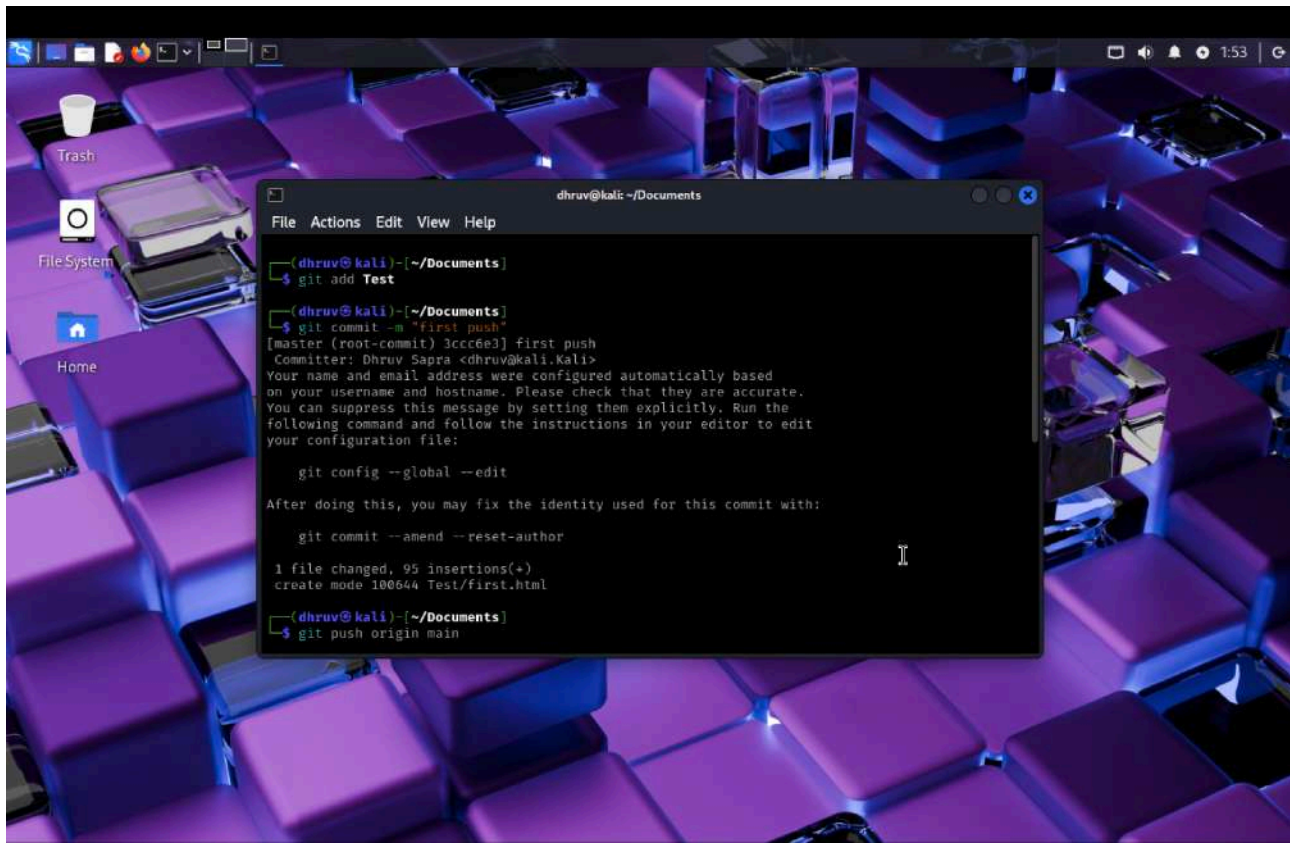


Initializing The Git Repository



Experiment 1And 1.1

Adding The File To The Git Repository



A terminal window on a Kali Linux desktop background. The window title is 'dhruv@kali: ~/Documents'. The terminal shows the following commands and output:

```
dhruv@kali:~/Documents
$ git add Test

dhruv@kali:~/Documents
$ git commit -m "first push"
[master (root-commit) 3ccc6e3] first push
Committer: Dhruv Sapra <dhruv@kali.Kali>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

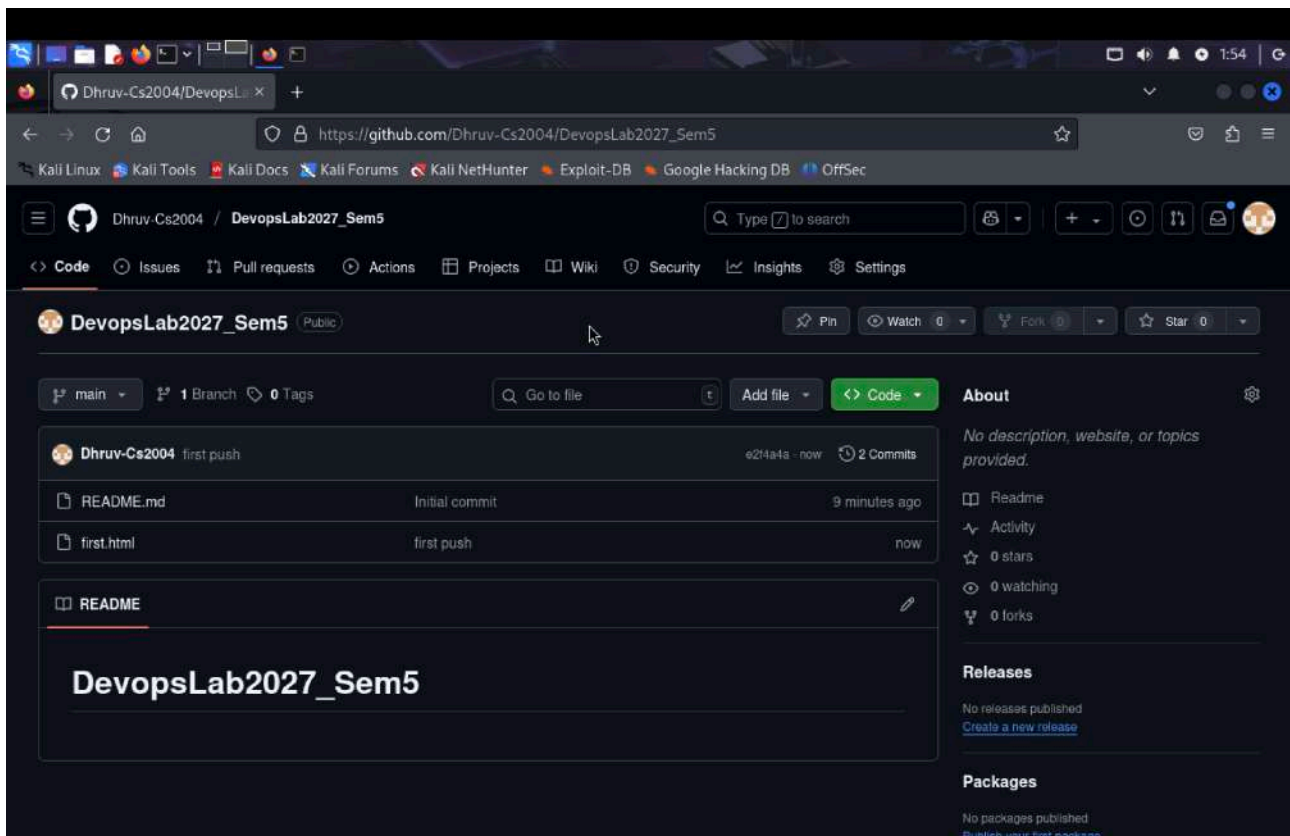
After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

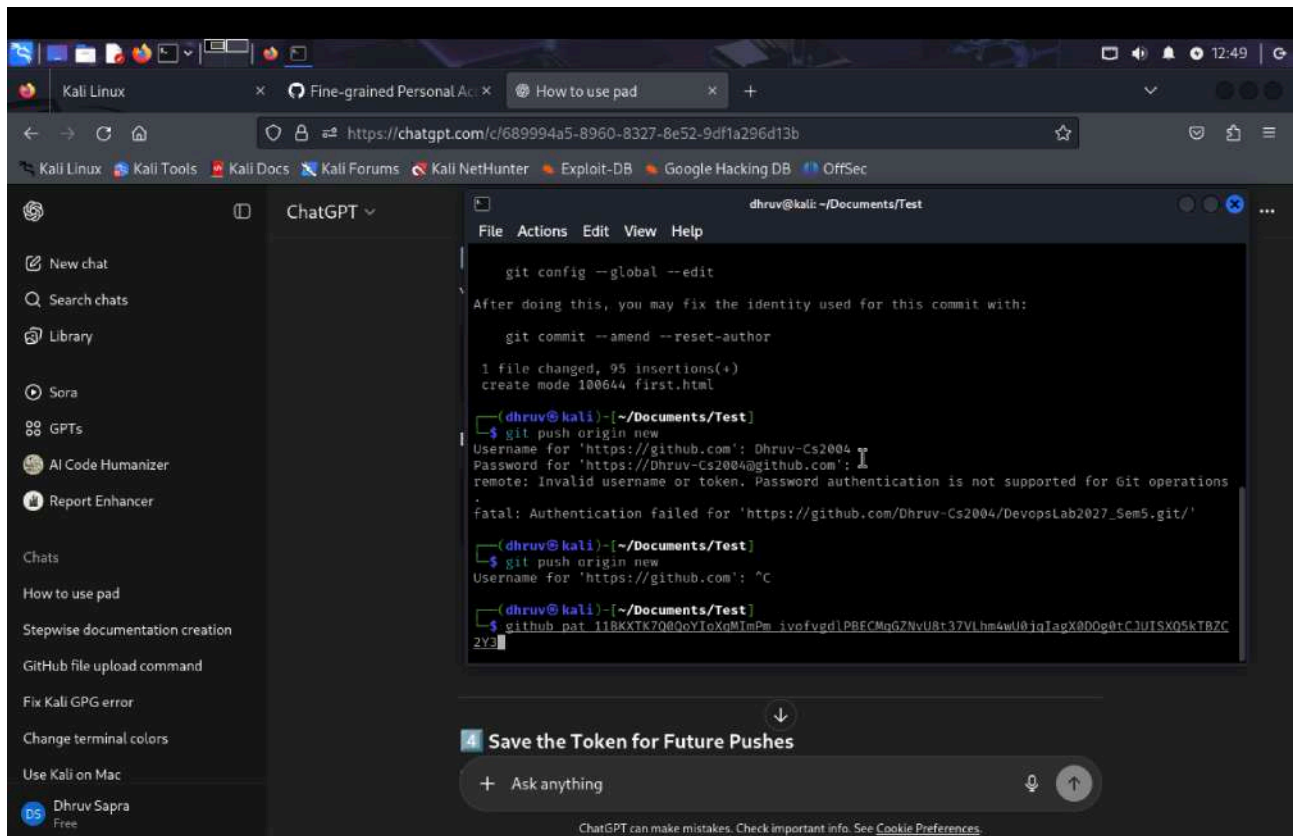
1 file changed, 95 insertions(+)
create mode 100644 Test/first.html

dhruv@kali:~/Documents
$ git push origin main
```

Final step of pushing your file to Git



Creating new Branch



Experiment 1And 1.1

Generating token

Dashboard - Jenkins | New Fine-grained Personal Access Token | Permissions required for fine-grained personal access token

github.com/settings/personal-access-tokens/new

Settings / Developer Settings

GitHub Apps
OAuth Apps
Personal access tokens
Fine-grained tokens
Tokens (classic)

New fine-grained personal access token

Create a fine-grained, repository-scoped token suitable for personal API use and for using Git over HTTPS.

Token name *
Test
✔ 'Test' is available.
A unique name for this token. May be visible to resource owners or users with possession of the token.

Description
First Test

Resource owner
Dhruv-Cs2004
The token will only be able to make changes to resources owned by the selected resource owner. Tokens can always read all public repositories.

Expiration
90 days (Nov 10, 2025)
The token will expire on the selected date.

Repository access

Dashboard - Jenkins | New Fine-grained Personal Access Token | Permissions required for fine-grained personal access token

github.com/settings/personal-access-tokens/new

Public repositories
Read-only access to public repositories.

All repositories
This applies to all current and future repositories you own. Also includes public repositories (read-only).

Only select repositories
Select at least one repository. Max 50 repositories. Also includes public repositories (read-only).

Select repositories 1

Selected 1 repository.

Dhruv-Cs2004/DevopsLab2027_Sem5

Permissions

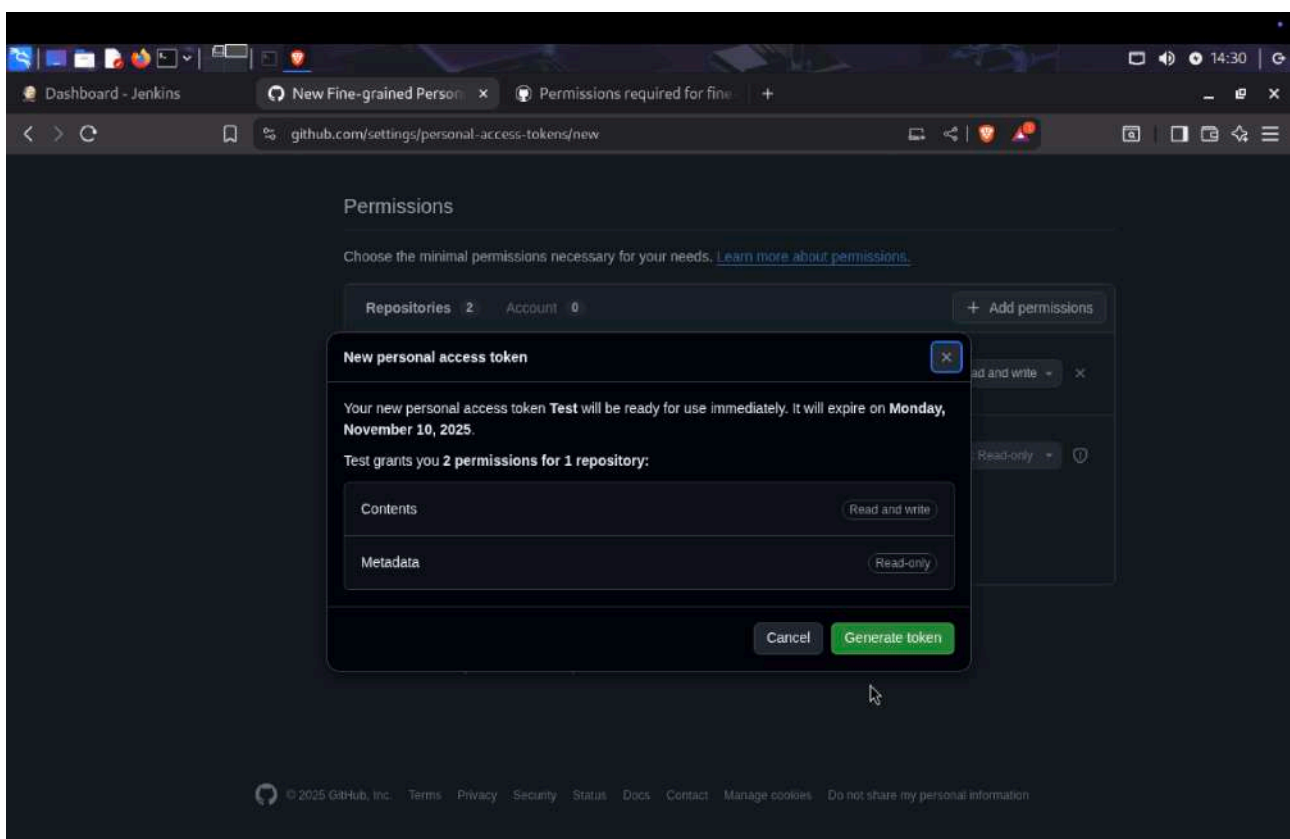
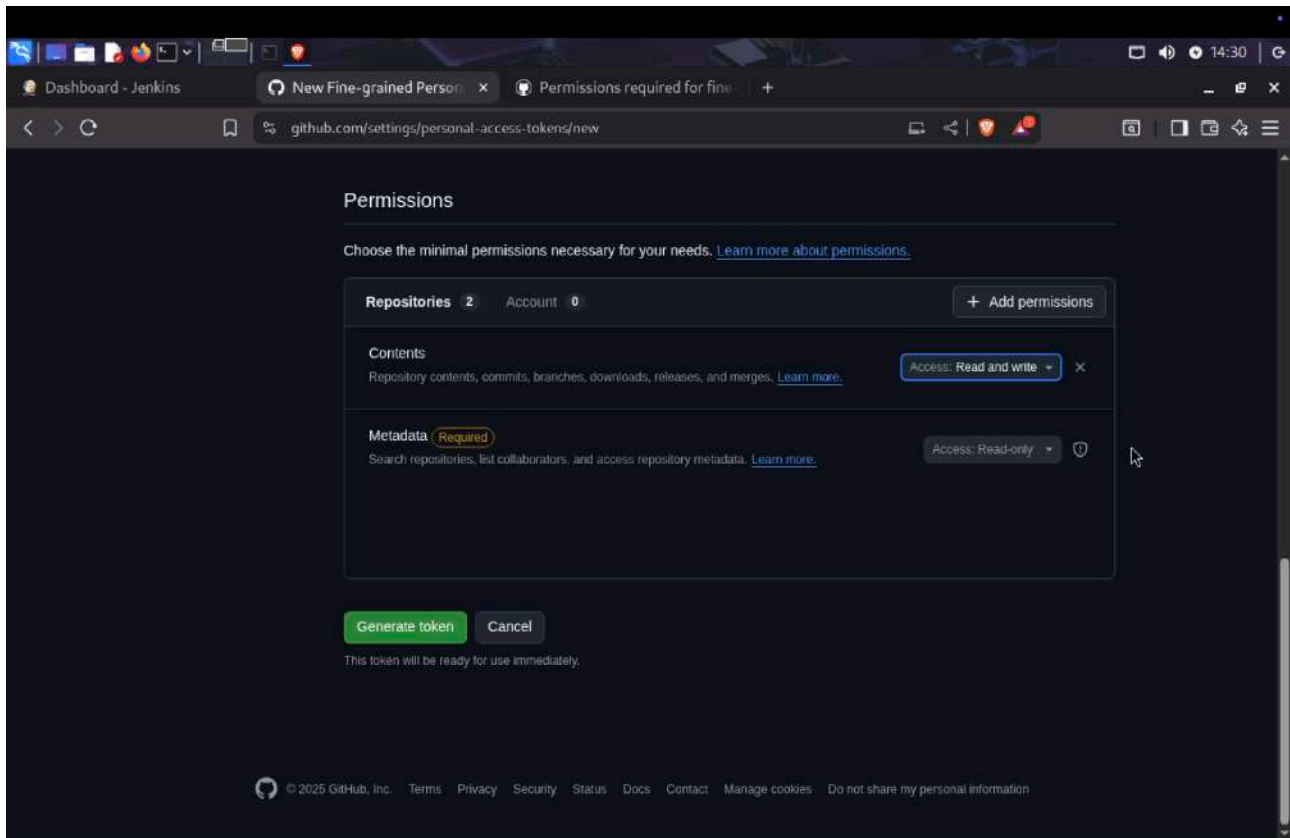
Choose the minimal permissions necessary for your needs. [Learn more about permissions.](#)

Repositories 2 | Account 0 | + Add permissions

Contents
Repository contents, commits, branches, downloads, releases, and merges. [Learn more.](#) Access: Read and write

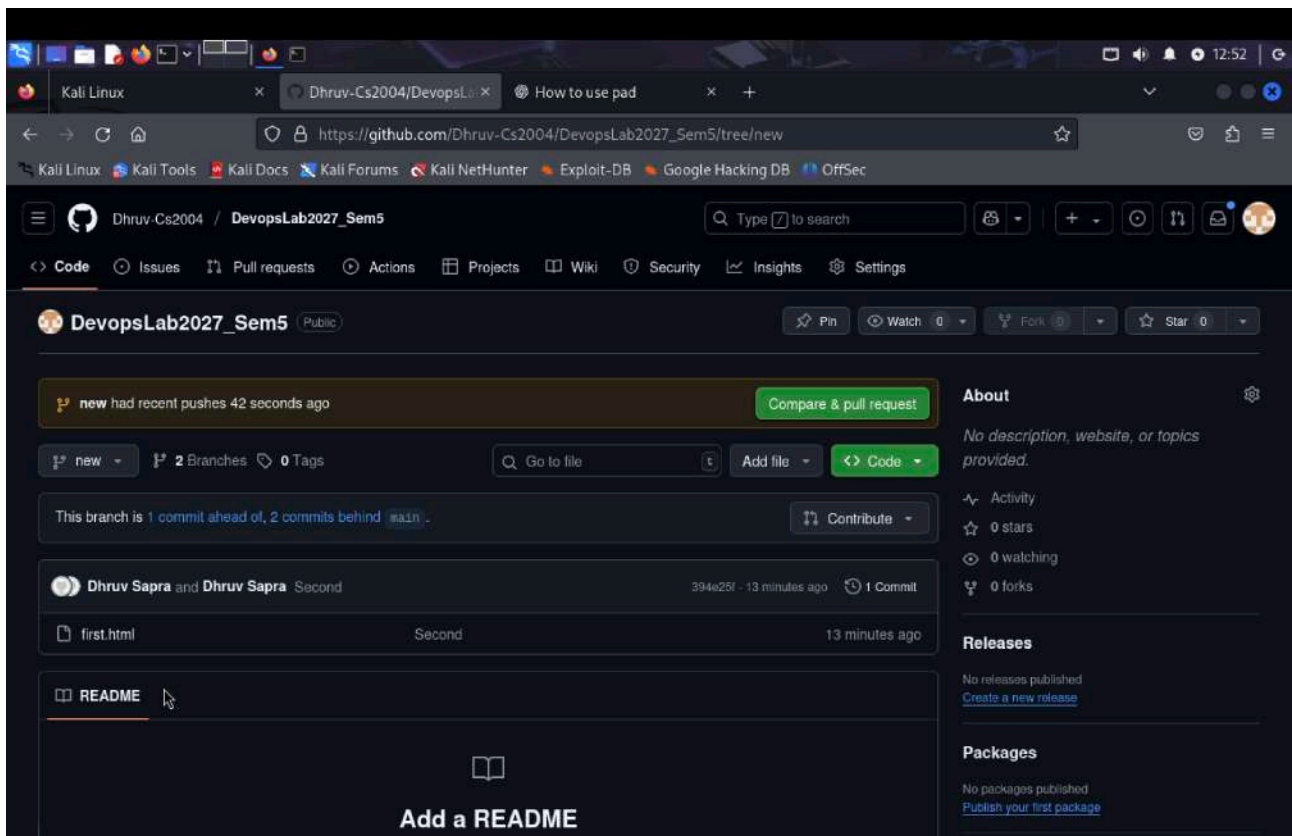
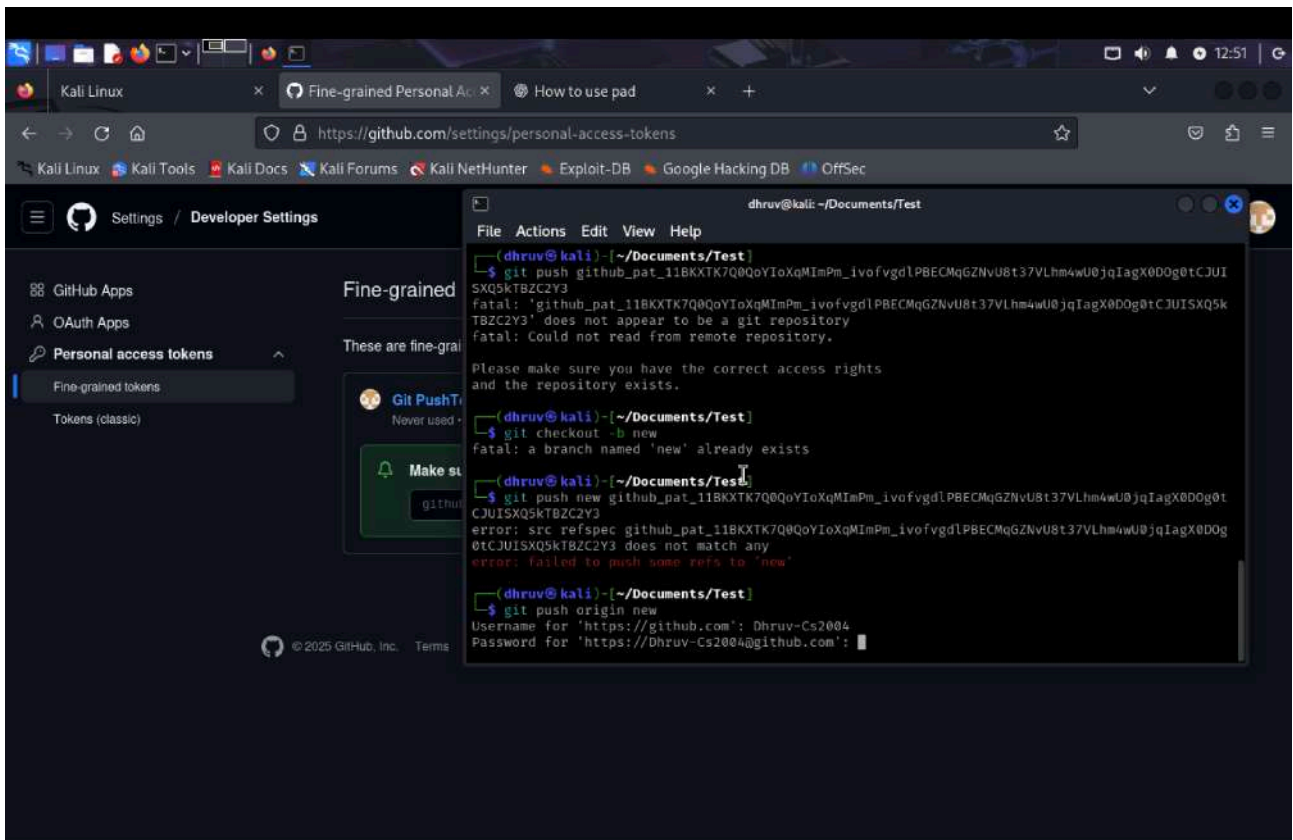
Metadata (Required)
Search repositories, list collaborators, and access repository metadata. [Learn more.](#) Access: Read-only

Experiment 1And 1.1



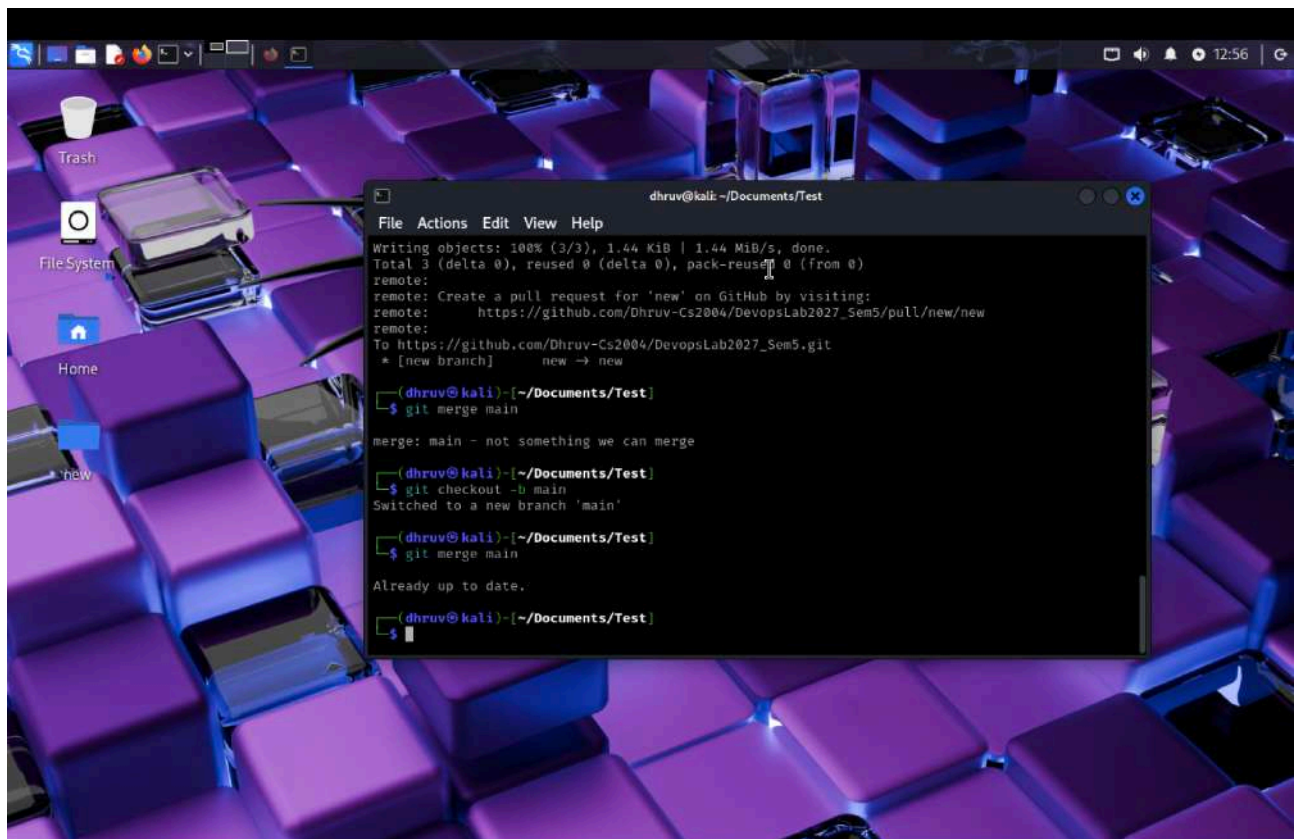
Experiment 1 And 1.1

Pushing in to New Branch

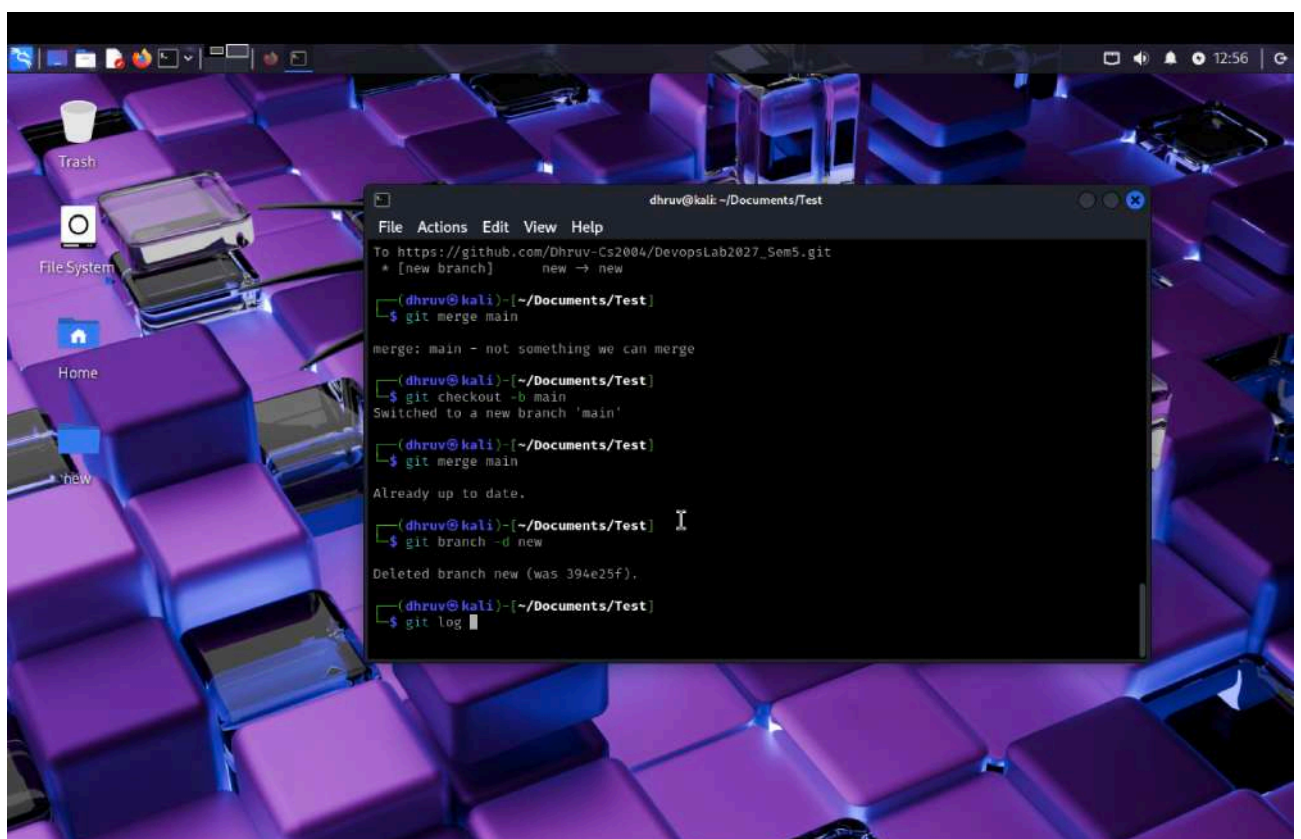


Experiment 1And 1.1

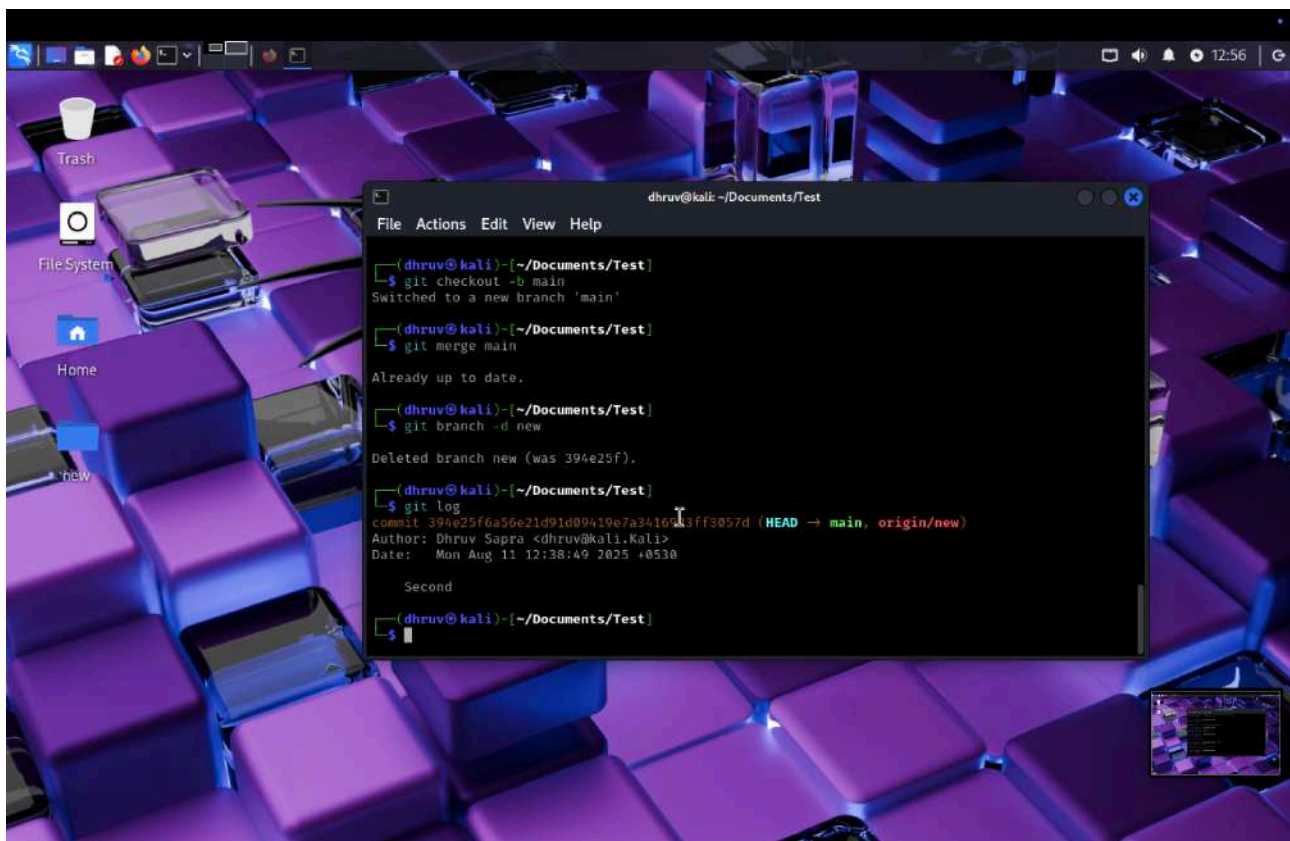
Merging in to Main branch



Git checking The Logs

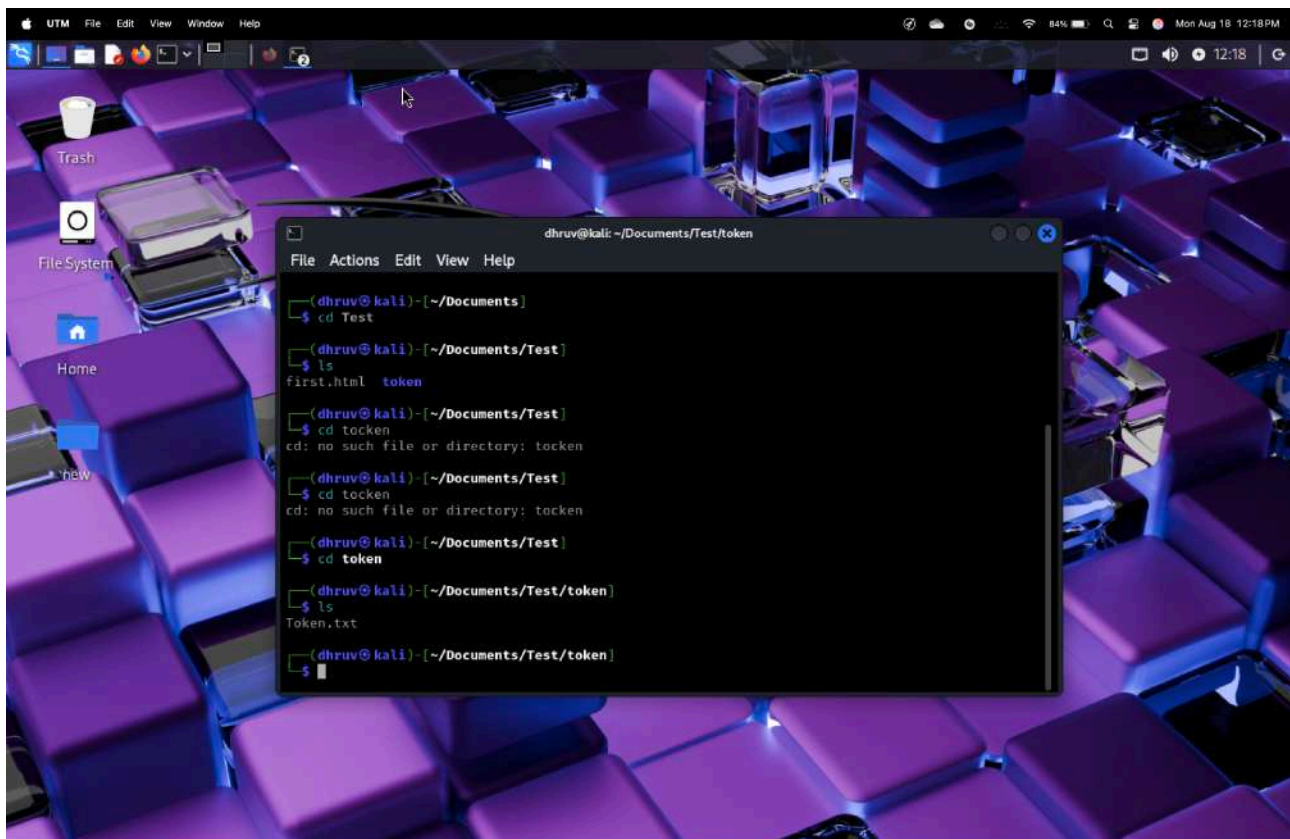


Experiment 1And 1.1



Experiment 1And 1.1

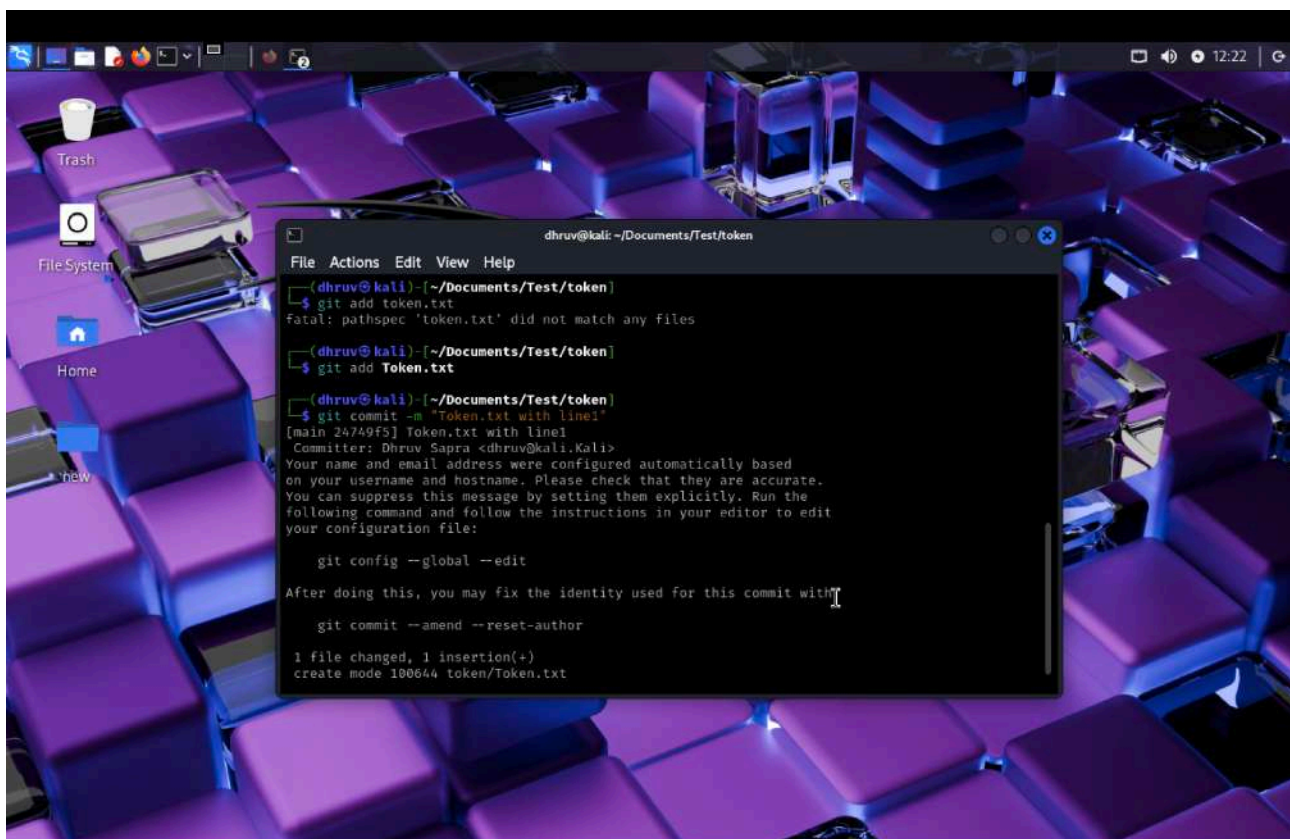
Creating A file And Make changes



The screenshot shows a Kali Linux desktop with a purple keyboard background. A terminal window is open, displaying the following commands and output:

```
dhruv@kali: ~/Documents/Test/token
File Actions Edit View Help

(dhruv@kali)~/Documents/
$ cd Test
(dhruv@kali)~/Documents/Test/
$ ls
first.html token
(dhruv@kali)~/Documents/Test/
$ cd token
cd: no such file or directory: token
(dhruv@kali)~/Documents/Test/
$ cd token
cd: no such file or directory: token
(dhruv@kali)~/Documents/Test/
$ cd token
(dhruv@kali)~/Documents/Test/token/
$ ls
Token.txt
(dhruv@kali)~/Documents/Test/token/
$
```



The screenshot shows the same Kali Linux desktop environment. The terminal window now displays the following git commands and output:

```
dhruv@kali: ~/Documents/Test/token
File Actions Edit View Help

(dhruv@kali)~/Documents/Test/token/
$ git add token.txt
fatal: pathspec 'token.txt' did not match any files
(dhruv@kali)~/Documents/Test/token/
$ git add Token.txt
(dhruv@kali)~/Documents/Test/token/
$ git commit -m "Token.txt with line1"
[main 2b729f5] Token.txt with line1
Committer: Dhruv Sapra <dhruv@kali.Kali>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

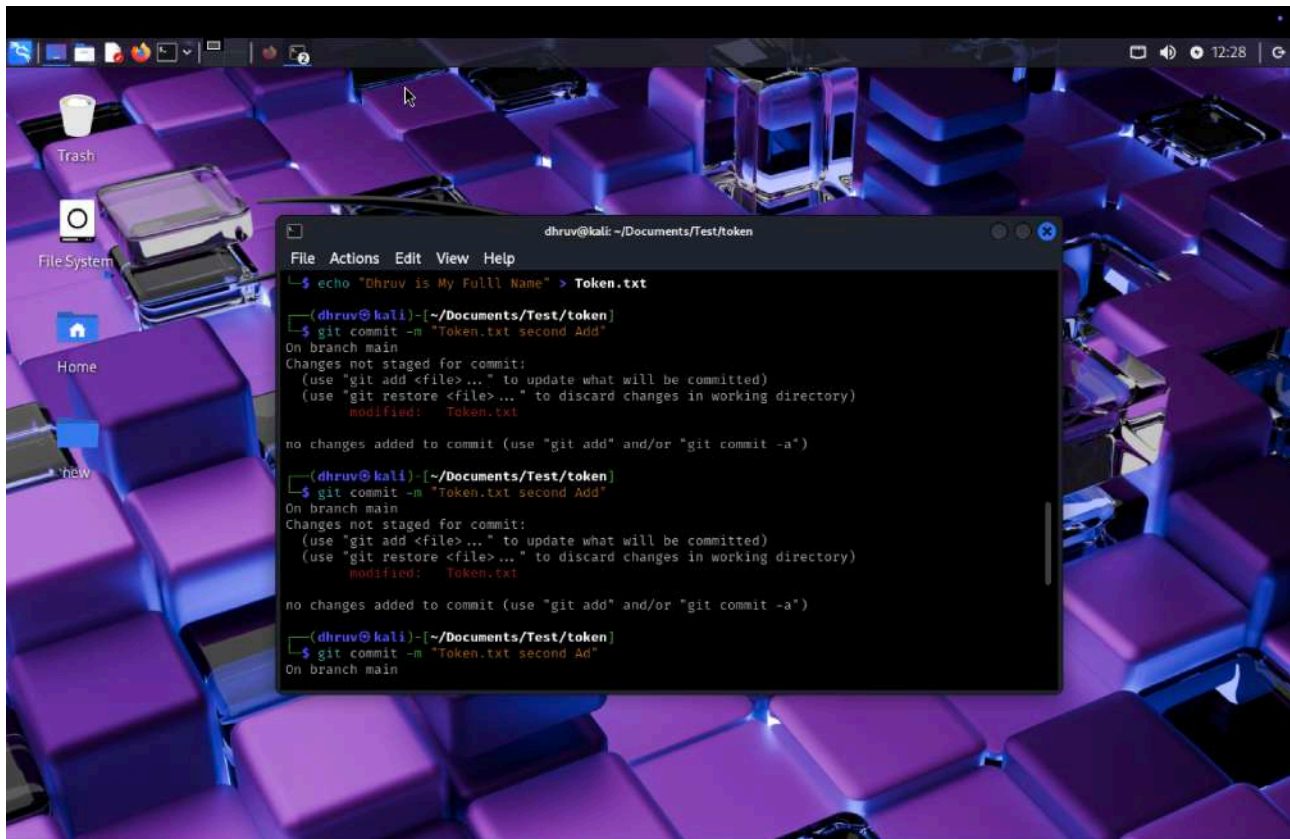
    git config --global --edit

After doing this, you may fix the identity used for this commit with

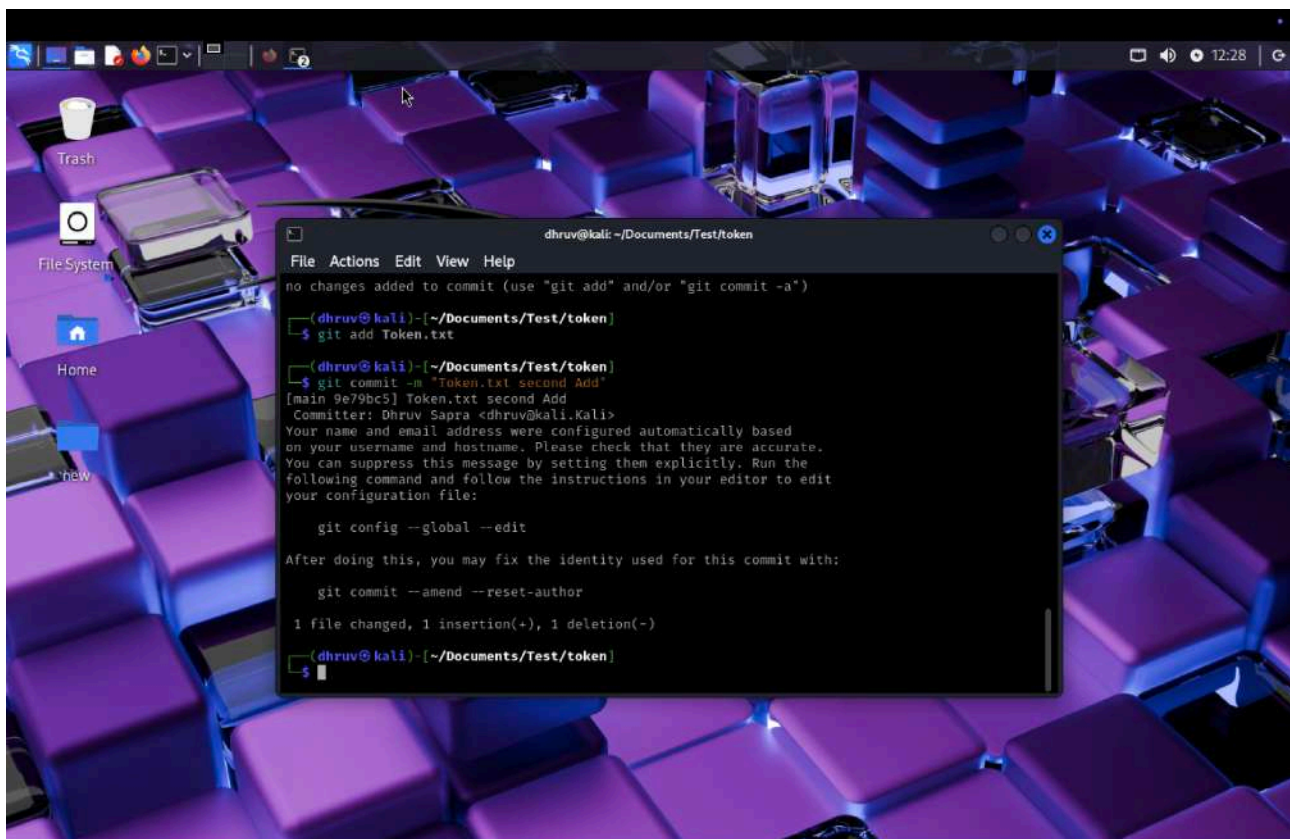
    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 token/Token.txt
```

Experiment 1And 1.1

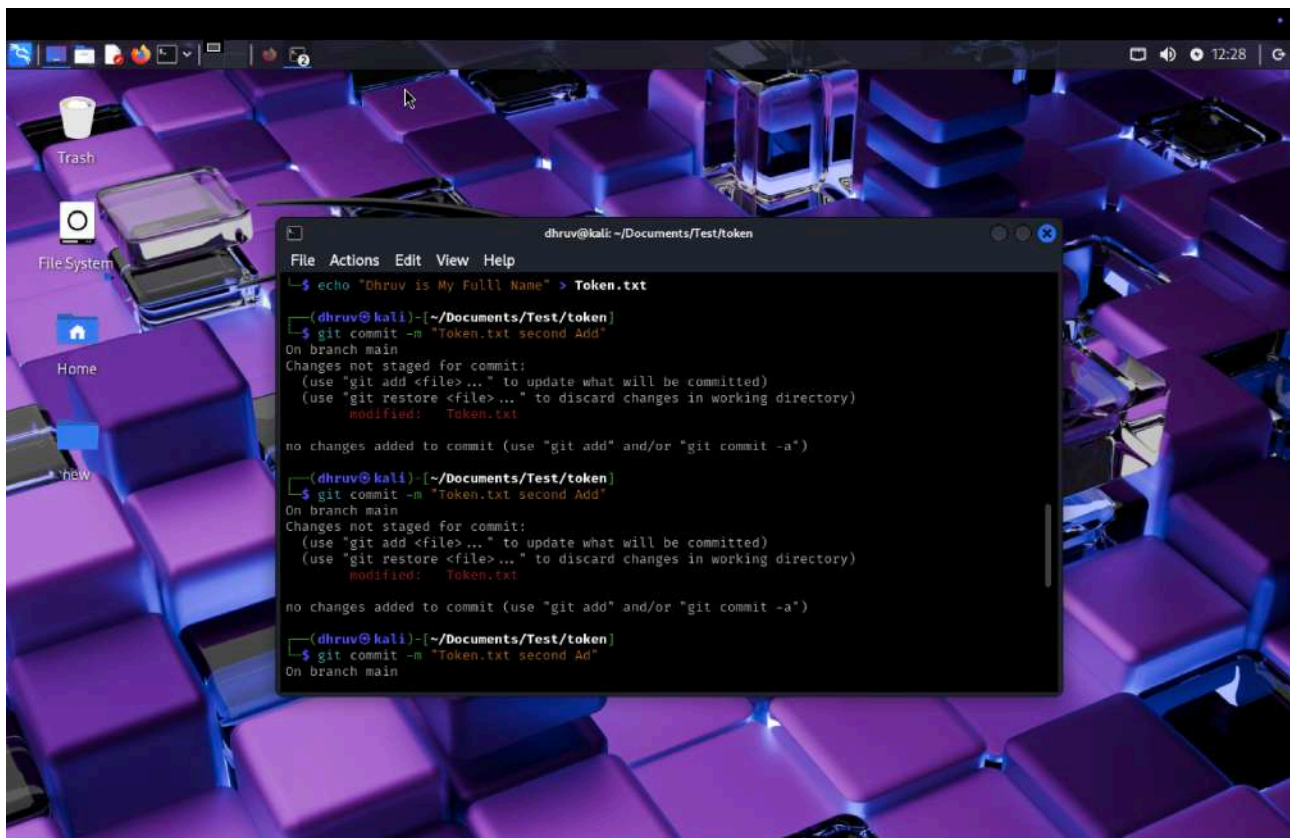


Adding Token .txt File



Experiment 1And 1.1

Echo command for Updating fileAdding Token .txt File



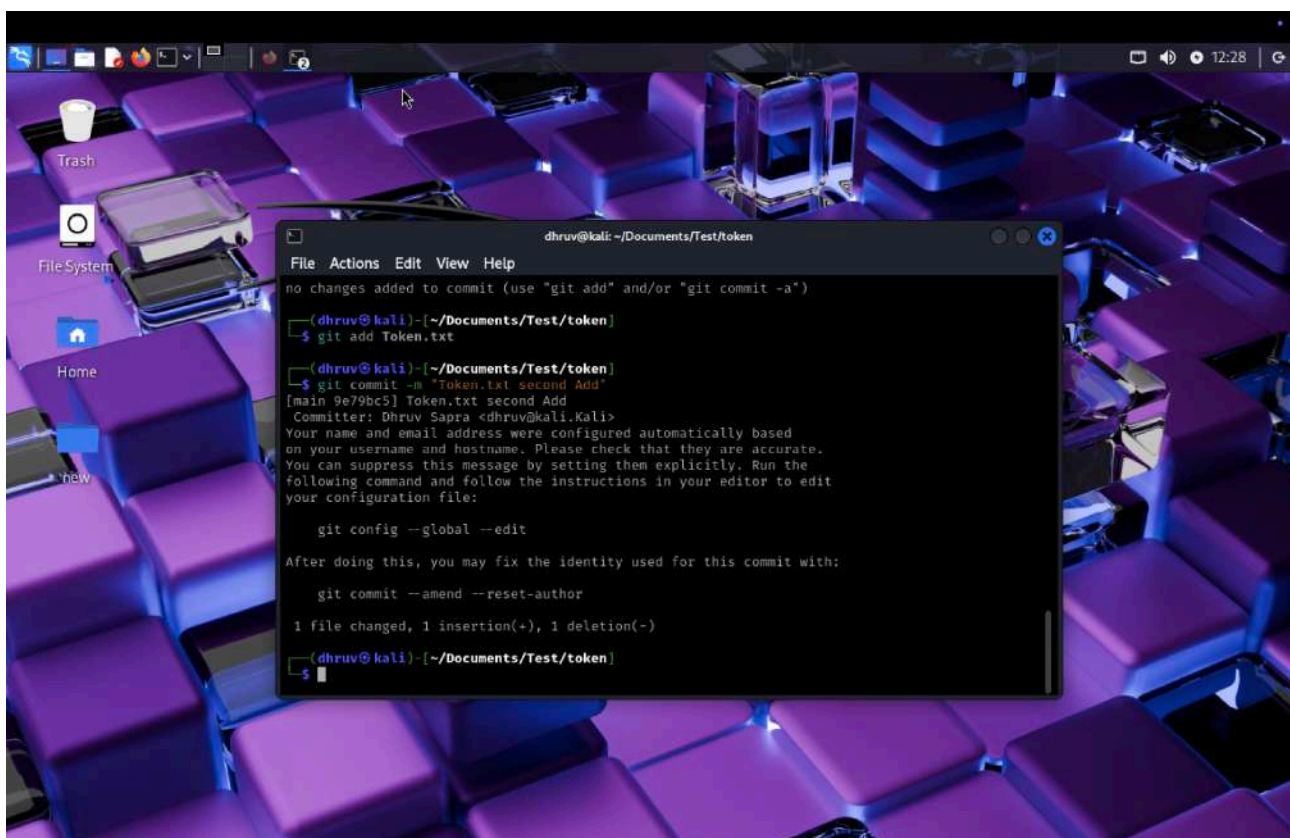
The screenshot shows a Kali Linux desktop environment with a purple and blue keyboard background. A terminal window titled 'dhruv@kali: ~/Documents/Test/token' is open. The terminal shows the following commands and output:

```
dhruv@kali:~/Documents/Test/token
$ echo "Dhruv is My Full Name" > Token.txt
(dhruv@kali)-[~/Documents/Test/token]
$ git commit -m "Token.txt second Add"
On branch main
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:   Token.txt

no changes added to commit (use "git add" and/or "git commit -a")
(dhruv@kali)-[~/Documents/Test/token]
$ git commit -m "Token.txt second Add"
On branch main
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:   Token.txt

no changes added to commit (use "git add" and/or "git commit -a")
(dhruv@kali)-[~/Documents/Test/token]
$ git commit -m "Token.txt second Ad"
```

Adding file



The screenshot shows a Kali Linux desktop environment with a purple and blue keyboard background. A terminal window titled 'dhruv@kali: ~/Documents/Test/token' is open. The terminal shows the following commands and output:

```
dhruv@kali:~/Documents/Test/token
no changes added to commit (use "git add" and/or "git commit -a")
(dhruv@kali)-[~/Documents/Test/token]
$ git add Token.txt
(dhruv@kali)-[~/Documents/Test/token]
$ git commit -m "Token.txt second Add"
[main 9e79bc5] Token.txt second Add
Committer: Dhruv Sapra <dhruv@kali.Kali>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

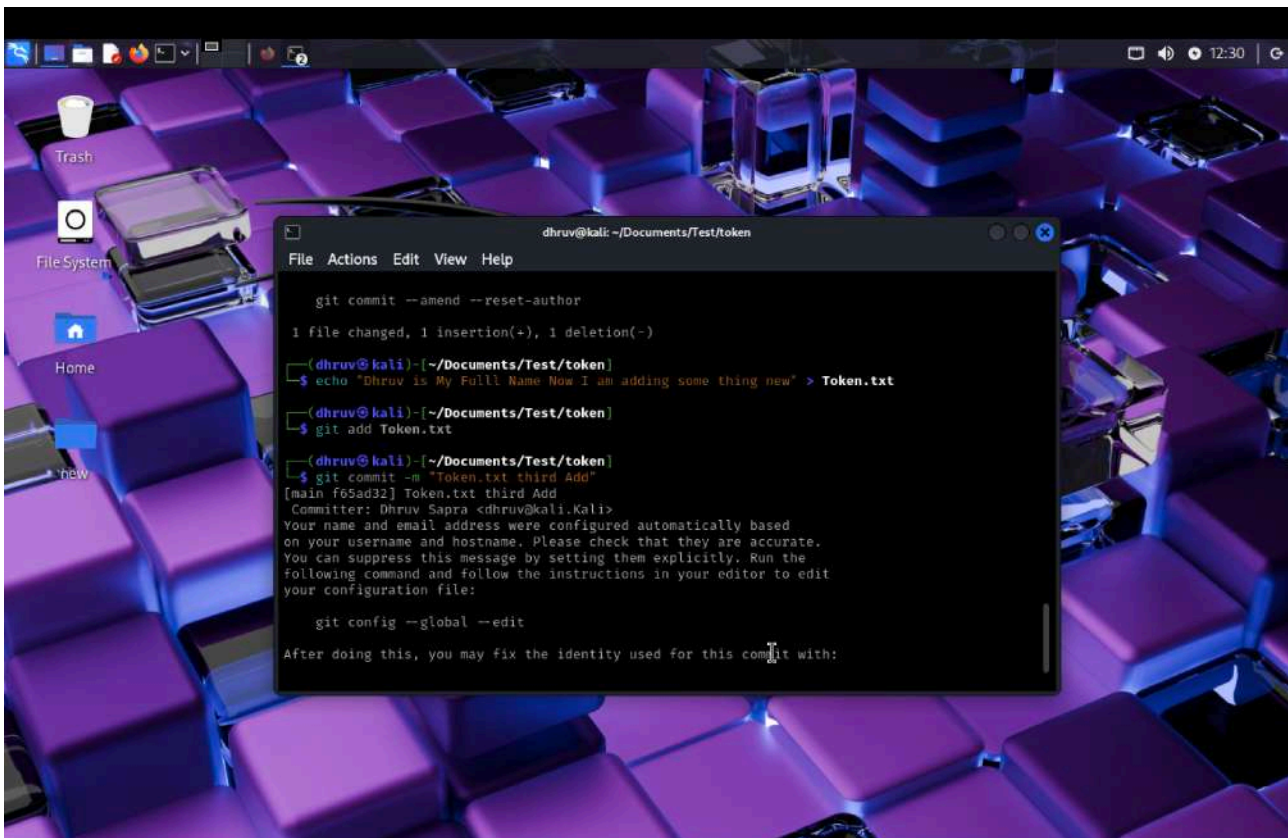
After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+), 1 deletion(-)
(dhruv@kali)-[~/Documents/Test/token]
$
```


Experiment 1And 1.1

Again command for Updating fileAdding Token .txt File

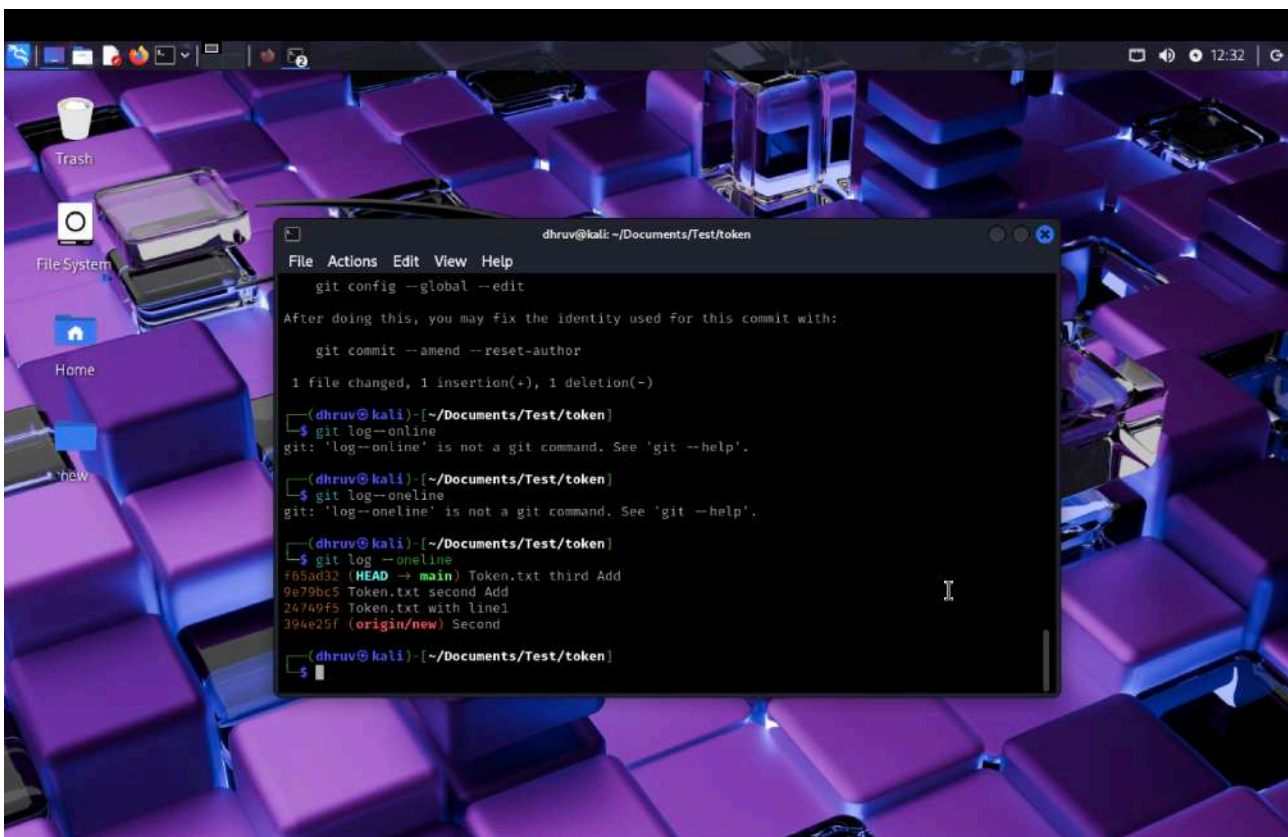


A screenshot of a Kali Linux desktop environment. The background is a close-up of a keyboard with blue and white keys. On the left side, there are icons for 'Trash', 'File System', 'Home', and 'new'. A terminal window is open in the center, titled 'dhruv@kali: ~/Documents/Test/token'. The terminal shows the following commands and output:

```
git commit --amend --reset-author
1 file changed, 1 insertion(+), 1 deletion(-)
(dhruv@kali)~/Documents/Test/token
$ echo "Dhruv is My Fulll Name Now I am adding some thing new" > Token.txt
(dhruv@kali)~/Documents/Test/token
$ git add Token.txt
(dhruv@kali)~/Documents/Test/token
$ git commit -m "Token.txt third Add"
[main f65ad32] Token.txt third Add
Committer: Dhruv Sapra <dhruv@kali.Kali>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

git config --global --edit

After doing this, you may fix the identity used for this commit with:
```



A screenshot of a Kali Linux desktop environment, similar to the one above. The terminal window is open, showing the following commands and output:

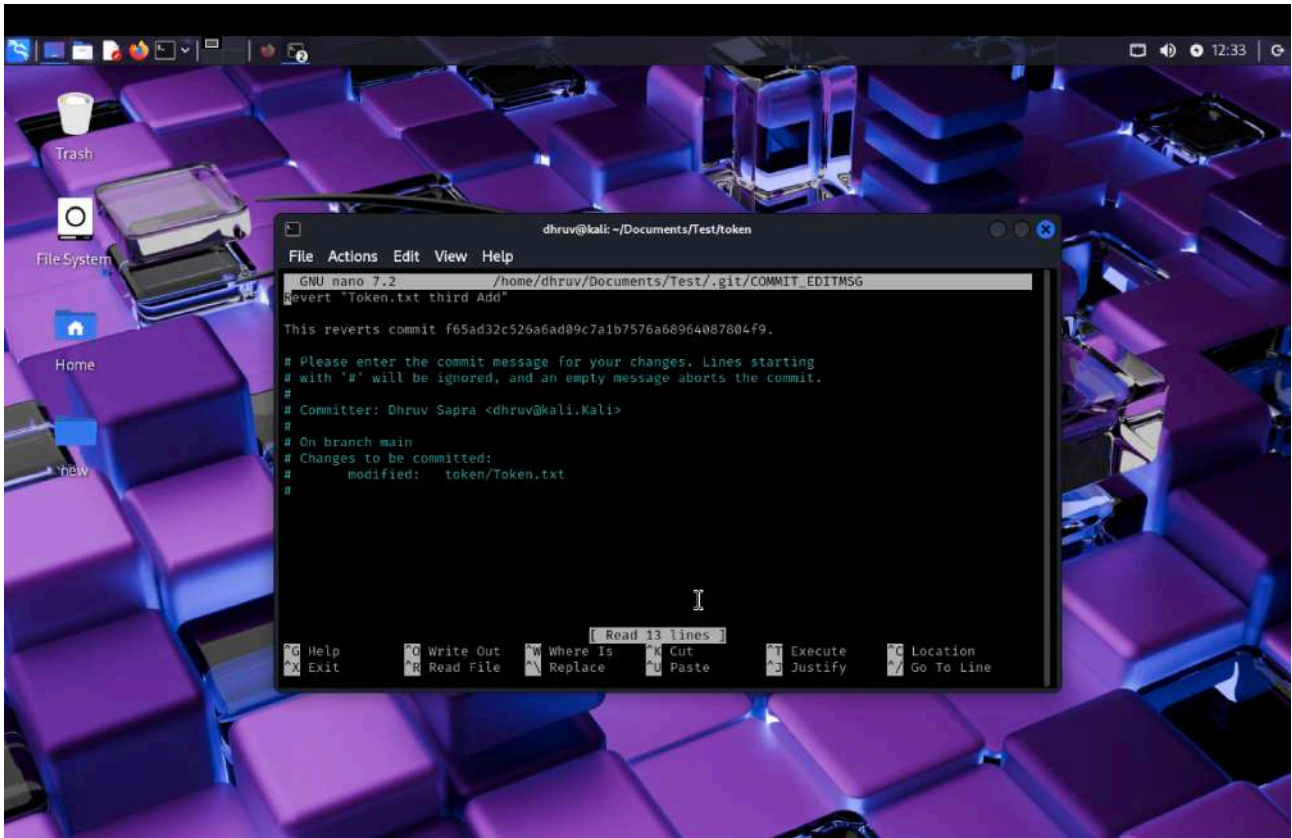
```
git config --global --edit

After doing this, you may fix the identity used for this commit with:

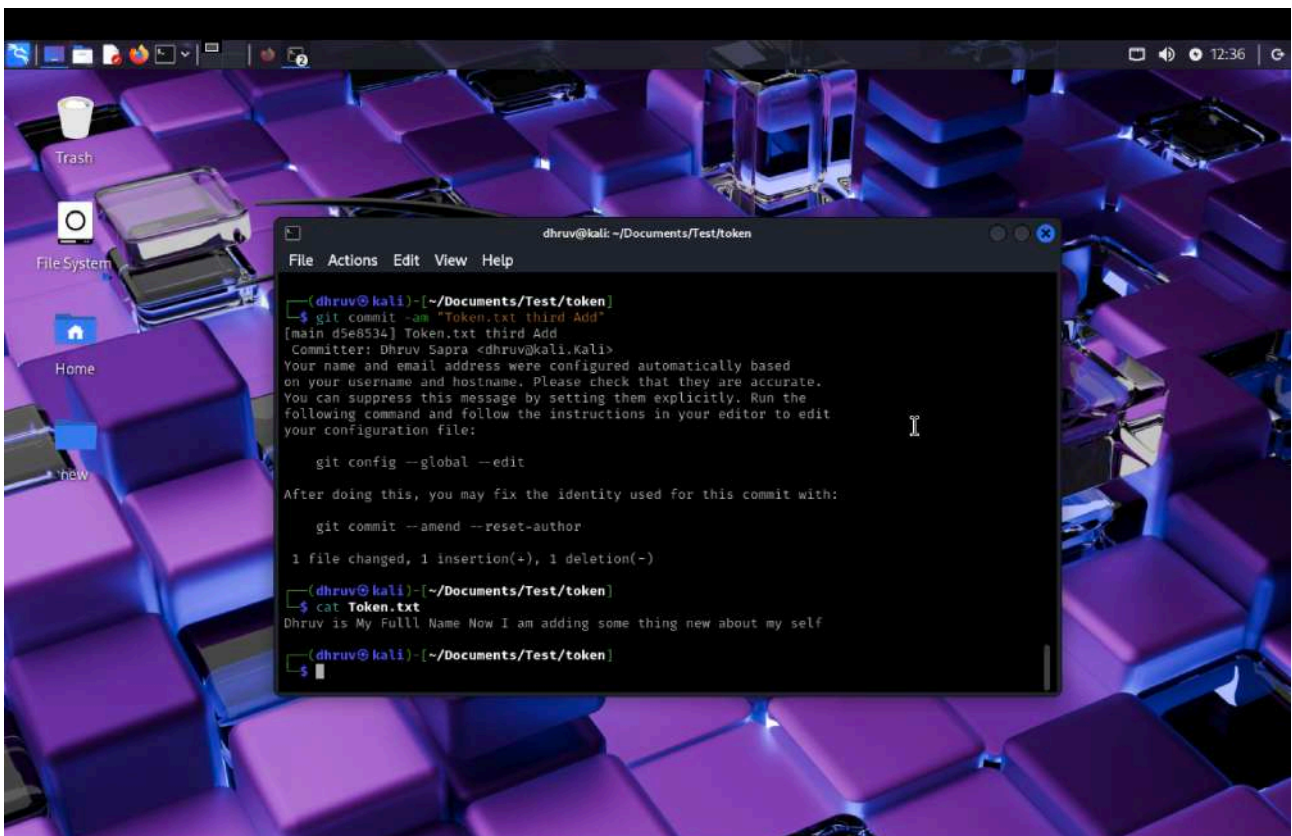
git commit --amend --reset-author

1 file changed, 1 insertion(+), 1 deletion(-)
(dhruv@kali)~/Documents/Test/token
$ git log--online
git: 'log--online' is not a git command. See 'git --help'.
(dhruv@kali)~/Documents/Test/token
$ git log--oneline
git: 'log--oneline' is not a git command. See 'git --help'.
(dhruv@kali)~/Documents/Test/token
$ git log --oneline
f65ad32 (HEAD -> main) Token.txt third Add
9e79bc5 Token.txt second Add
24749f5 Token.txt with line1
394e25f (origin/new) Second
(dhruv@kali)~/Documents/Test/token
$
```

Experiment 1And 1.1

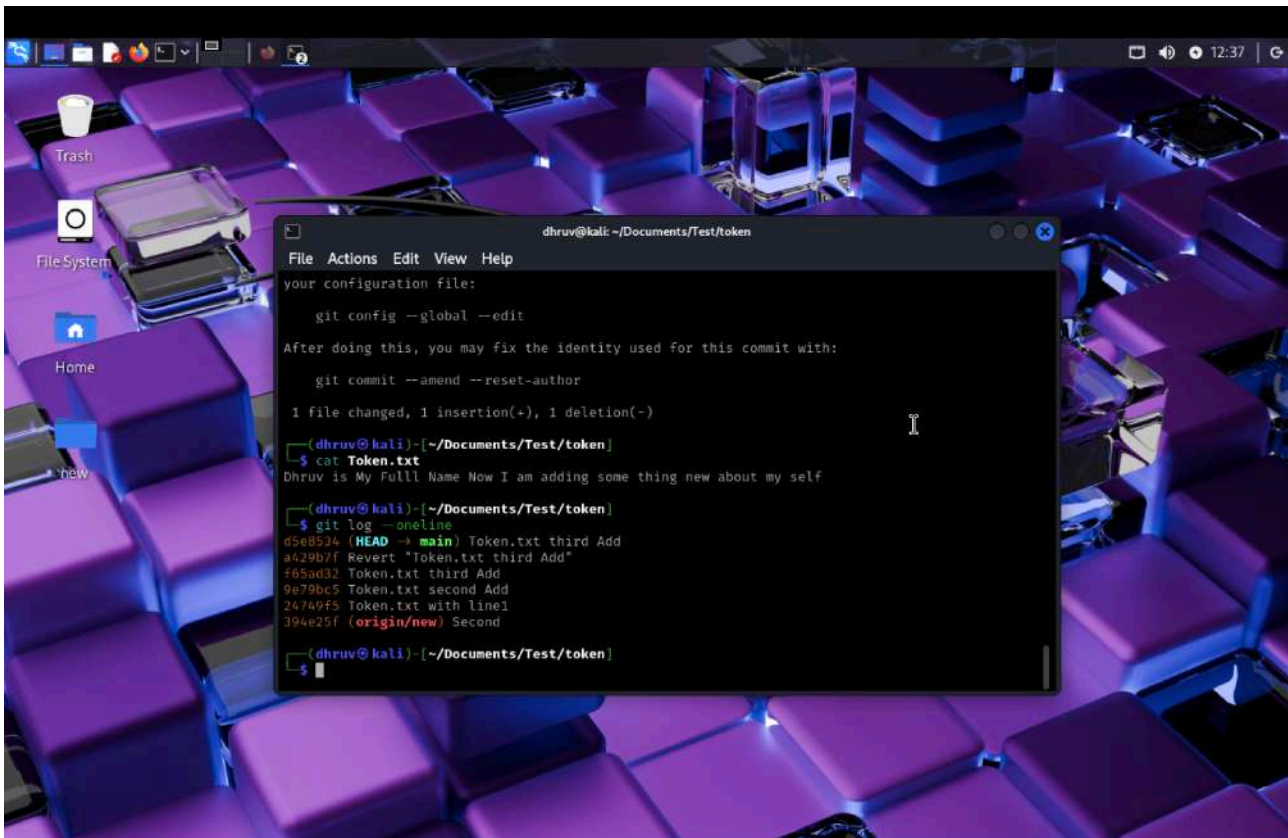


Relating command for Changing the file up to three times



Experiment 1And 1.1

Git log for checking the logs



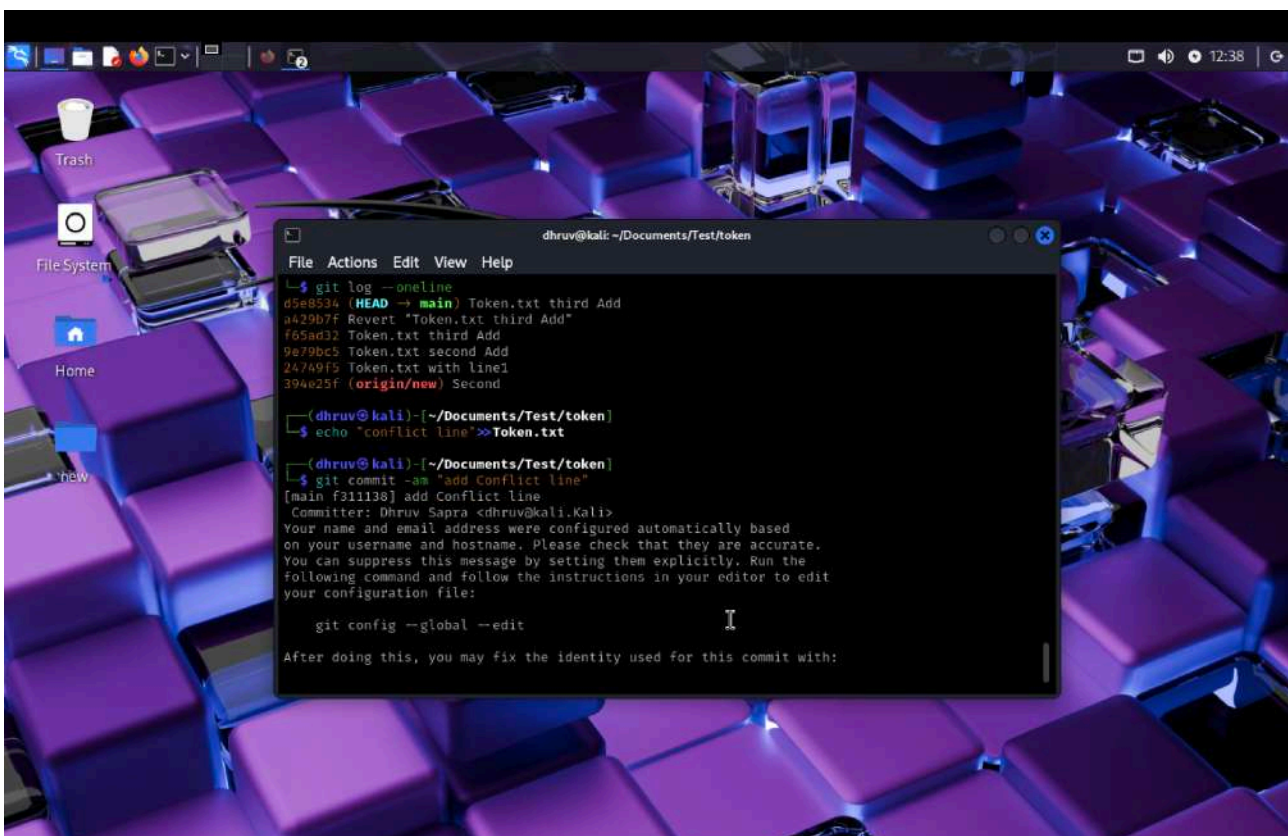
The screenshot shows a Kali Linux desktop environment with a purple and blue keyboard background. A terminal window titled 'dhruv@kali: ~/Documents/Test/token' is open. The terminal displays the output of the 'git log --oneLine' command, showing a series of commits related to 'Token.txt'. The commits include 'Token.txt third Add', 'Revert "Token.txt third Add"', and 'Token.txt second Add'. The terminal also shows the output of 'cat Token.txt', which contains the text 'Dhruv is My Fulll Name Now I am adding some thing new about my self'.

```
dhruv@kali: ~/Documents/Test/token
File Actions Edit View Help
your configuration file:
git config --global --edit
After doing this, you may fix the identity used for this commit with:
git commit --amend --reset-author
1 file changed, 1 insertion(+), 1 deletion(-)

(dhruv@kali) [~/Documents/Test/token]
$ cat Token.txt
Dhruv is My Fulll Name Now I am adding some thing new about my self

(dhruv@kali) [~/Documents/Test/token]
$ git log --oneLine
d5e8534 (HEAD -> main) Token.txt third Add
a429b7f Revert "Token.txt third Add"
f65ad32 Token.txt third Add
9e79bc5 Token.txt second Add
24749f5 Token.txt with line1
394e25f (origin/new) Second

(dhruv@kali) [~/Documents/Test/token]
$
```



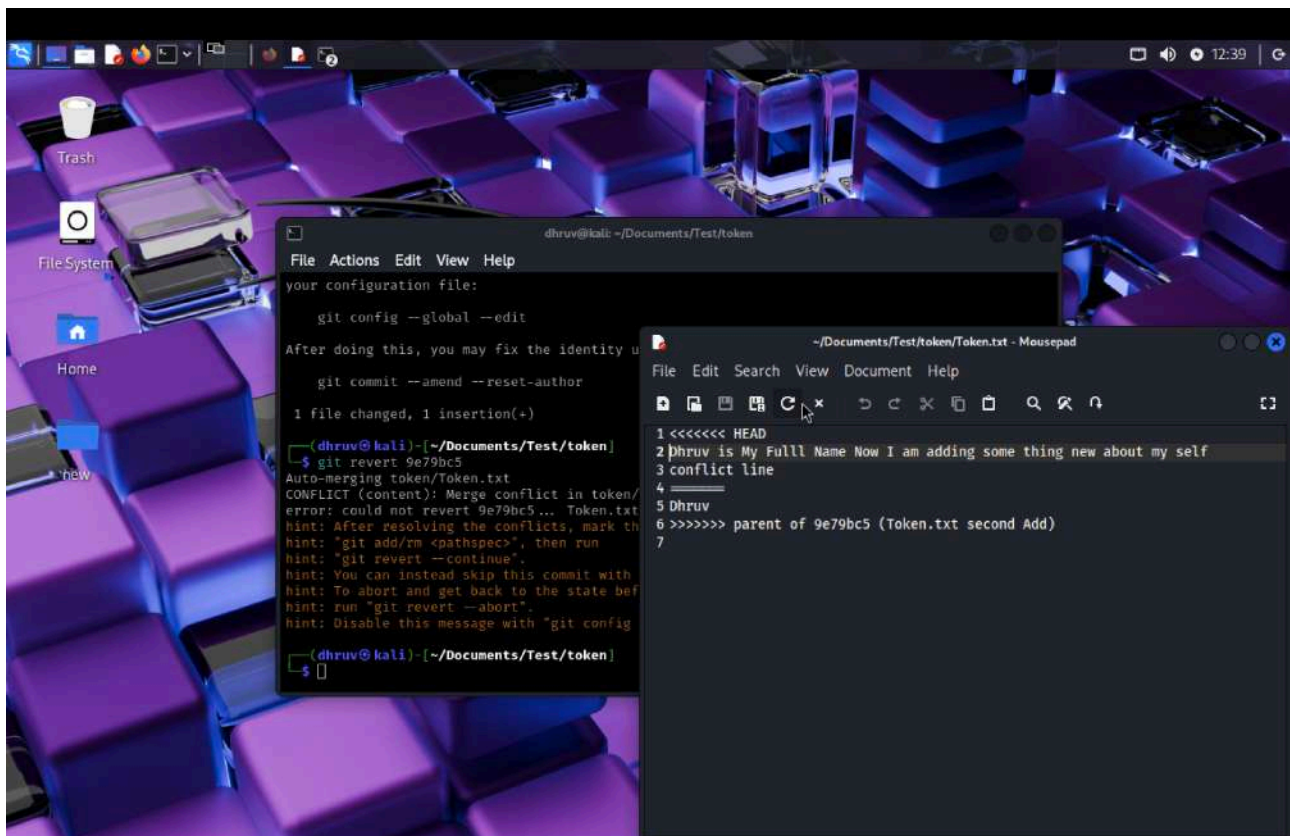
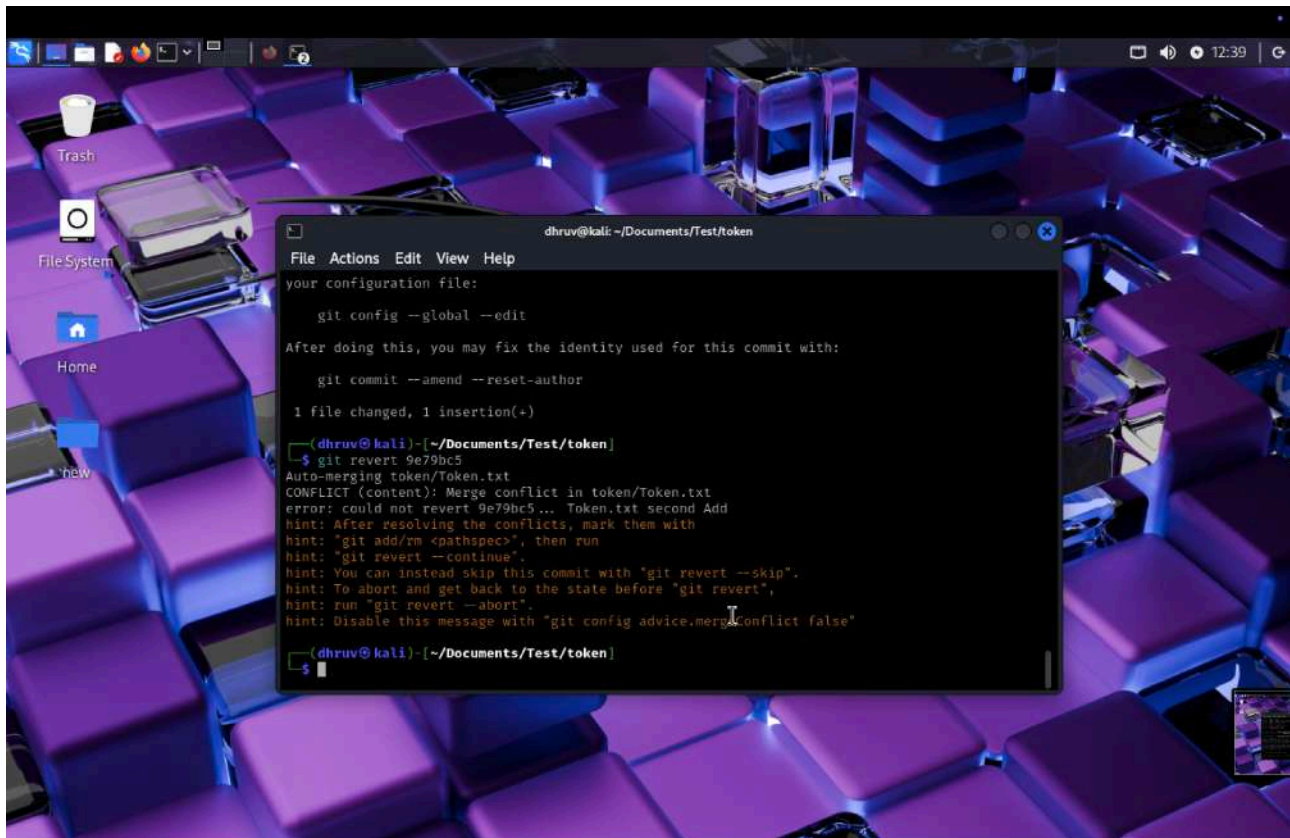
The screenshot shows the same Kali Linux desktop environment. The terminal window now displays the output of the 'git log --oneLine' command, which is identical to the previous screenshot. Below the log output, the terminal shows the output of the 'echo "conflict line" >>Token.txt' command, followed by the output of the 'git commit -am "add Conflict line"' command. The commit message is 'add Conflict line', and the commit is authored by 'Dhruv Sapra <dhruv@kali.Kali>'. The terminal also shows the output of 'git config --global --edit' and the message 'After doing this, you may fix the identity used for this commit with:'.

```
dhruv@kali: ~/Documents/Test/token
File Actions Edit View Help
$ git log --oneLine
d5e8534 (HEAD -> main) Token.txt third Add
a429b7f Revert "Token.txt third Add"
f65ad32 Token.txt third Add
9e79bc5 Token.txt second Add
24749f5 Token.txt with line1
394e25f (origin/new) Second

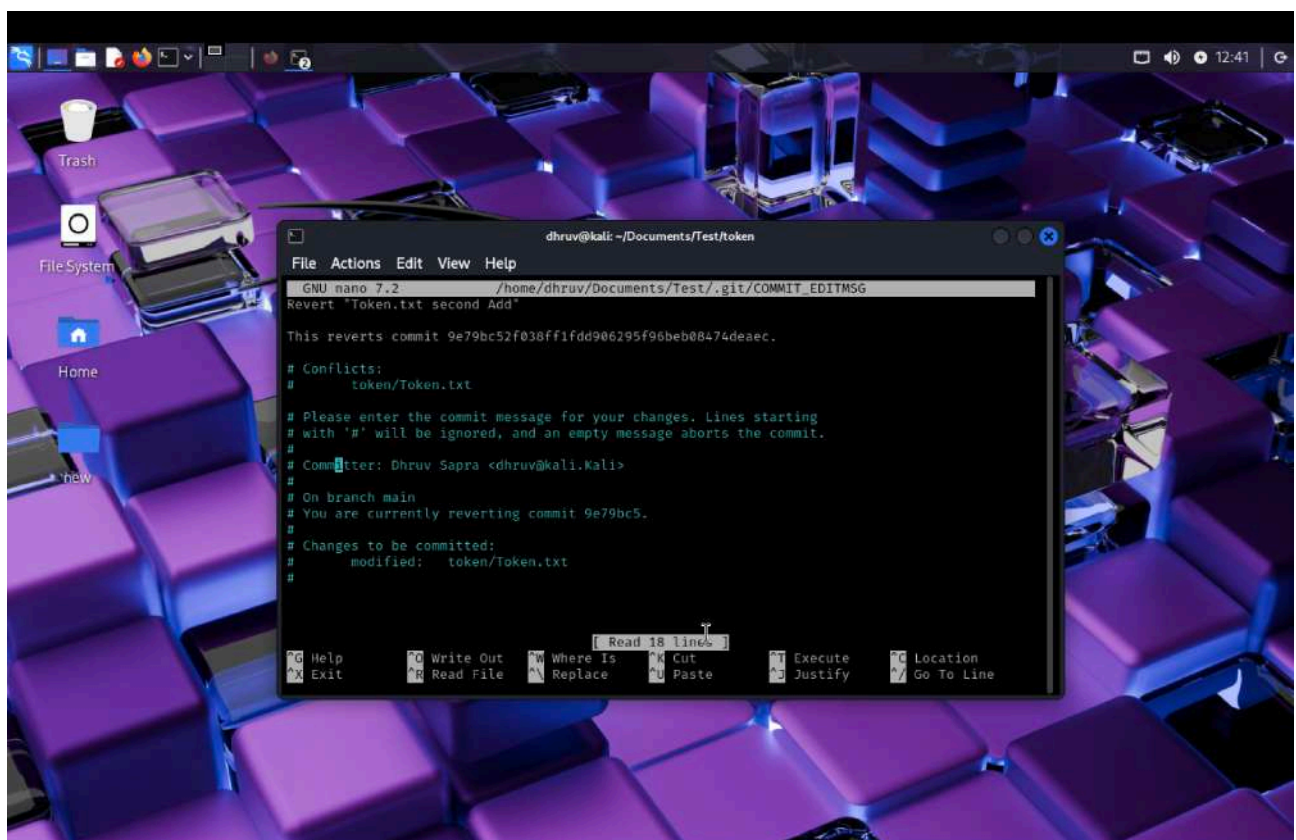
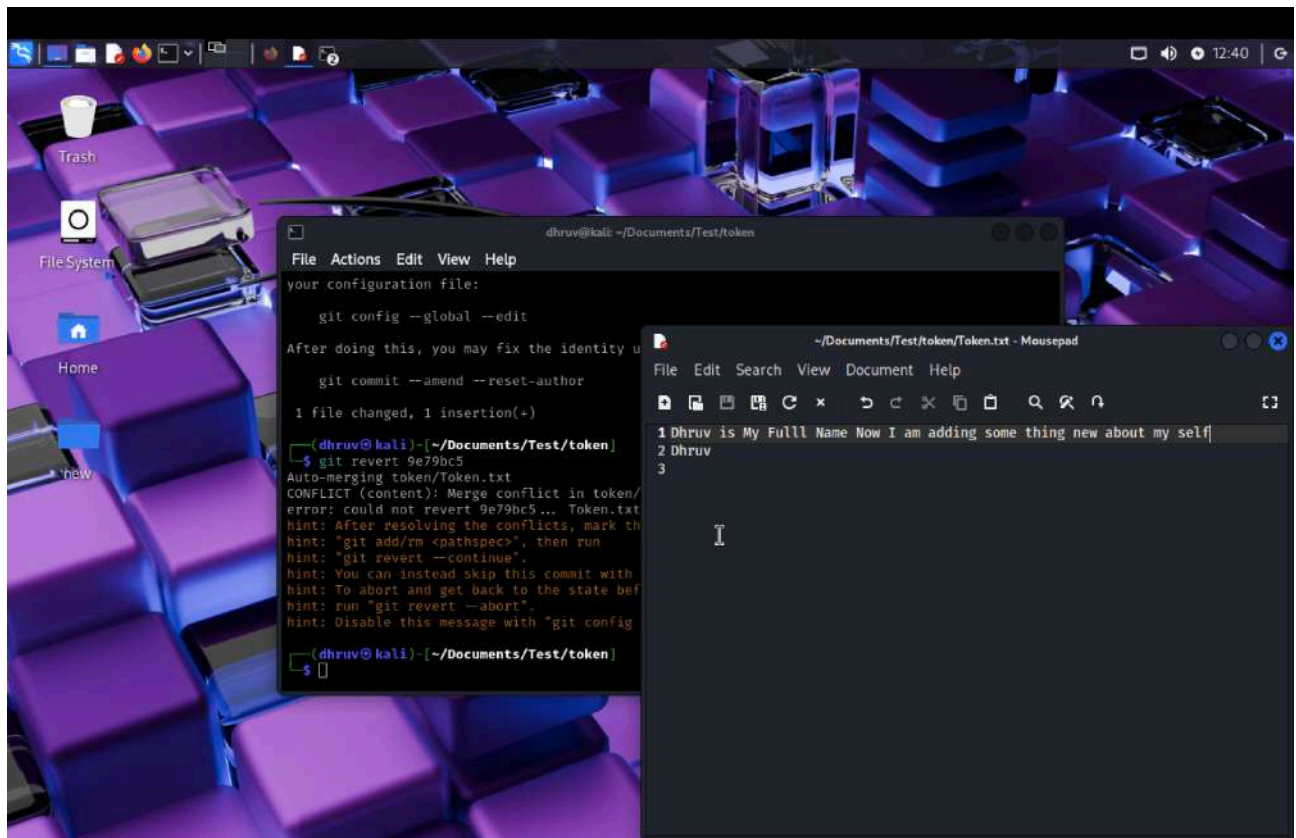
(dhruv@kali) [~/Documents/Test/token]
$ echo "conflict line" >>Token.txt

(dhruv@kali) [~/Documents/Test/token]
$ git commit -am "add Conflict line"
[main f311138] add Conflict line
Committer: Dhruv Sapra <dhruv@kali.Kali>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
git config --global --edit
After doing this, you may fix the identity used for this commit with:
```


Experiment 1And 1.1



Experiment 1And 1.1



Experiment 1And 1.1

