

Experiment 9

Analysing and Changing Git History

Given a commit ID, how would you use Git to view the details of that specific commit, including the author, date, and commit message?

Note: I continue with Experiment Number 8.

1. List all the Commit Messages along with Commit Id's

```
UBDTCE-23@DESKTOP-1TJEODU MINGW64 ~/desktop/santhosh (v1)
$ git log
commit 66a6790d7fc833d09360537e432afdbd401f497 (HEAD -> v1)
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:49:30 2024 +0530

    Fourth commit in V1 Sub Branch

commit 2ae0e7077633e5fc83166599c0b1b714bbdd494b
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:45:39 2024 +0530

    Third commit in V1 Sub Branch

commit f9814394324086f964575f432767e814f43b7c0d
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:43:36 2024 +0530

    Second commit in V1 Sub Branch

commit a09f4a73049febf9de5fca000302f708589f55a3
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:41:18 2024 +0530

    First commit in V1 Sub Branch

commit b3a1fcb2f73d031e98f85bddb4b945e9474aba28
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:38:39 2024 +0530

    This is my first commit in master branch before CHERRY PICK
```

This command display all the Commit ID's along with Author name ,Date of committed,Time and Committed Message.

2. List all the Commit Messages along with commit ID's (commit Id's should display only starting 7 characters).

```
UBDTCE-23@DESKTOP-1TJEODU MINGW64 ~/desktop/santhosh (v1)
$ git log --oneline
66a6790 (HEAD -> v1) Fourth commit in V1 Sub Branch
2ae0e70 Third commit in V1 Sub Branch
f981439 Second commit in V1 Sub Branch
a09f4a7 First commit in V1 Sub Branch
b3a1fcb This is my first commit in master branch before CHERRY PICK
```

Here display only Commit Id, Commit messages and starting 7 characters of commit ID. No display Author Name, Date and Time.

3. Display any one specific commit ID along with their Commit message, Author Name and Date and Time for the Commit Message.

```
UBDTCE-23@DESKTOP-1TJEODU MINGW64 ~/desktop/santhosh (v1)
$ git show f981439
commit f9814394324086f964575f432767e814f43b7c0d
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:43:36 2024 +0530

    Second commit in v1 Sub Branch

diff --git a/3.css b/3.css
new file mode 100644
index 0000000..d5921ca
--- /dev/null
+++ b/3.css
@@ -0,0 +1,5 @@
+#include<stdio.h>
+int main()
+{
+    printf("Department of Artificial Intelligence and Machine Learning");
+}
```

This is displays commit information along with file content also.

4. Display any one specific commit ID along with their Commit message, Author Name and Date and Time for the Commit Message (Note Avoid to display File content).

```
UBDTCE-23@DESKTOP-1TJEODU MINGW64 ~/desktop/santhosh (v1)
$ git show f981439 --no-patch
commit f9814394324086f964575f432767e814f43b7c0d
Author: santhosh <psanthosh644@gmail.com>
Date: Thu Nov 7 11:43:36 2024 +0530

    Second commit in v1 Sub Branch
```