

## Problem Statement 4: Viewing Commit History

- Use git log to view the commit history of the repository.
- Experiment with different options for formatting and filtering the log.

### Solution :

#### Git log : Its shows history of all commits

```
C:\Users\DELL\gitsample>git log
commit 741d01eaaca9d8e80c8cab1942f320f80c5e99ee (HEAD -> master)
Author: kavin <gkavinvelavan@gmail.com>
Date: Sat Feb 24 21:20:50 2024 +0530

    modified

commit 0ac61acae7be83f264025b76c36ef825d4c3c13d
Author: kavin <gkavinvelavan@gmail.com>
Date: Sat Feb 24 21:11:32 2024 +0530

    second commit

commit 4f40f825fdb887f6c5f8ea271c1ad296d8ad804
Author: kavin <gkavinvelavan@gmail.com>
Date: Sat Feb 24 21:03:36 2024 +0530

    first commit
```

#### Git log oneline : It's also like git log but it shows in one line

```
C:\Users\DELL\gitsample>git log --oneline
741d01e (HEAD -> master) modified
0ac61ac second commit
4f40f82 first commit
```

#### Git graph : It gives some decorate to the message

```
C:\Users\DELL\gitsample>git log --graph --decorate --oneline
* 741d01e (HEAD -> master) modified
* 0ac61ac second commit
* 4f40f82 first commit
```

```
C:\Users\DELL\gitsample>git log --decorate --oneline
741d01e (HEAD -> master) modified
0ac61ac second commit
4f40f82 first commit
```

**Git log filename :** It shows the history of particular file

```
C:\Users\DELL\gitsample>git log first.txt
commit 4f40f825fdb887f6c5f8ea271c1ad296d8ad804
Author: kavin <gkavinvelavan@gmail.com>
Date:   Sat Feb 24 21:03:36 2024 +0530

    first commit
```