Viewing Logs and Files

Log history

Show all history

```
git log
```

Show all history as a series of patches

```
git log -p
```

Show a week of history

```
git log --since="one week ago"
```

Show the history of one file

```
git log -- SOMEFILENAME
```

Show the number of lines modified (statistics)

```
git log --stat
```

Show the diff (patch) of code changes from a specific commit

```
git log trunk~259 -p
git log HEAD^^^ -p
```

Show a finite range of commit messages

```
git log HEAD~4..HEAD^1
```

Showing Contents

Show the contents of the most recent commit in patch format

```
git show
```

Show the contents of a arbitrary commit

```
git show HEAD^^
```

Composition of a file

Visualize the file's commits that brought it to the current state, including developer, branch, date

```
git blame FILENAME
```

Shortlog

For release notes

```
git shortlog
```

Author summary only

```
git shortlog -s -10
```

Describe

Short notation to refer to a commit based on its position relative to a branch point.

```
git describe
```

Viewing a specific file

To view the contents of a file at a specific point in time,

```
cat-file
```