Section 8 Comparing Changes with Git Diff

What’s important?

Critical:

* Reading Diffs
* Git Diff Basics

Important:

* Diffing Branches
* Diffing Commits
* Diffing specific Files
* Git diff –staged

The Git Diff Command

Shape

Description automatically generated

Text

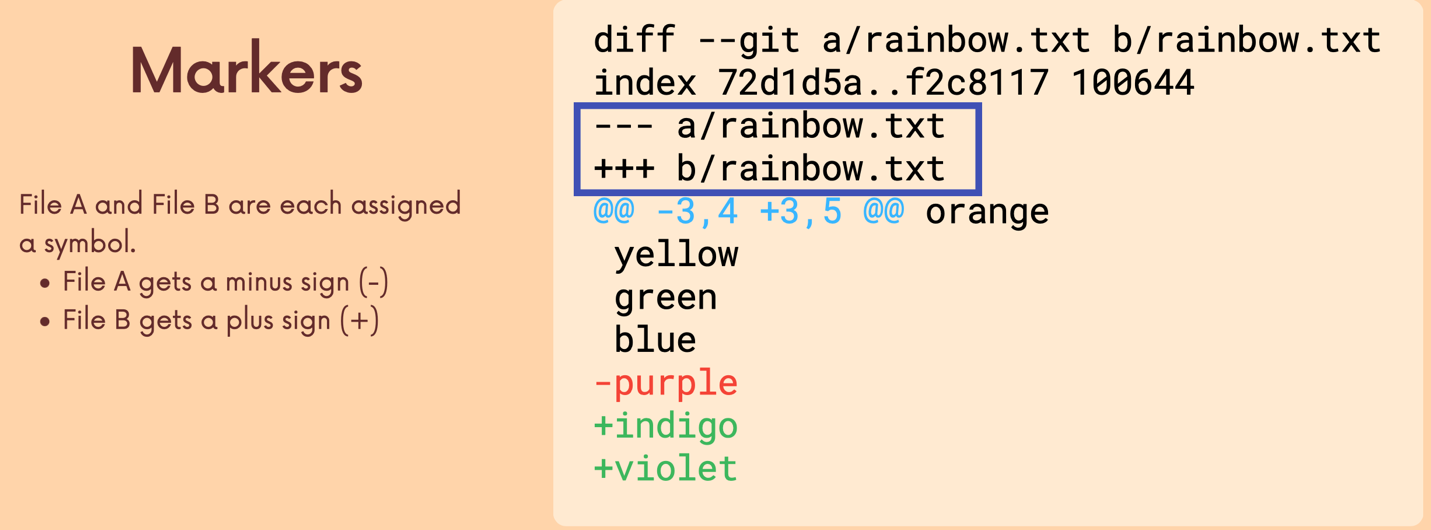
Description automatically generatedGraphical user interface, application

Description automatically generated

Guide to Reading Diffs

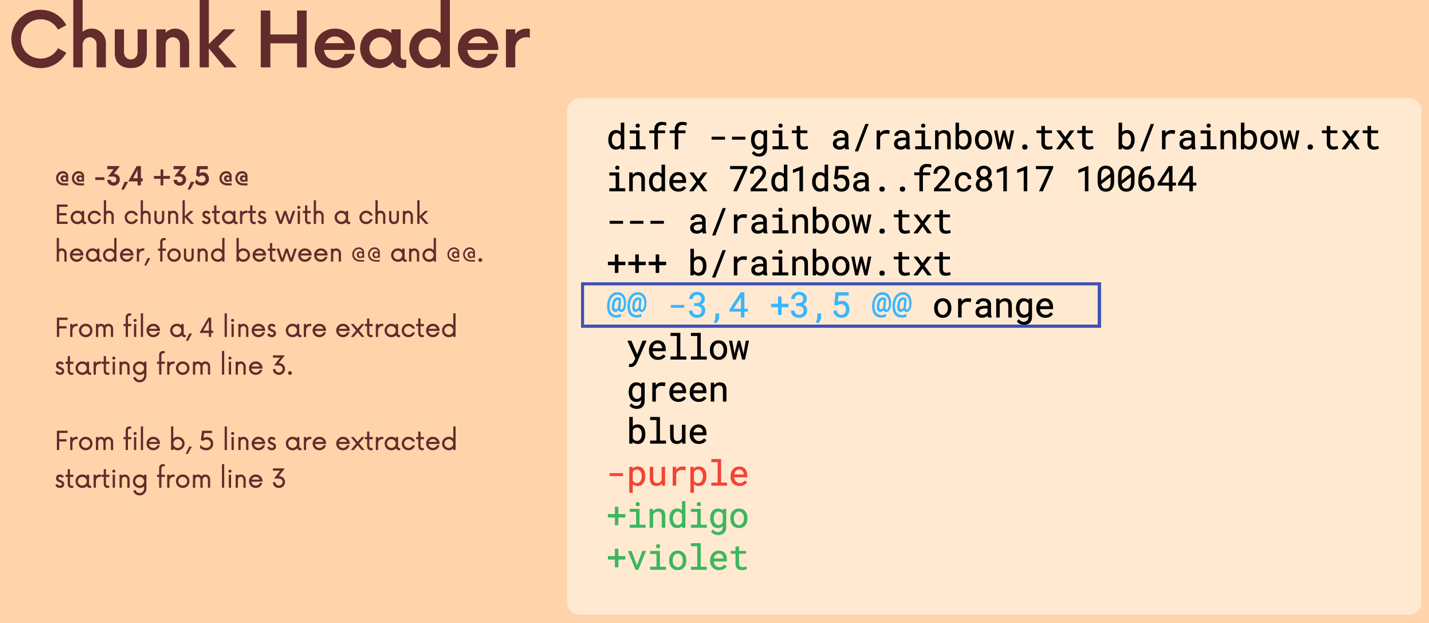














Example

Diff –git a/rainbow.txt b/rainbow.txt (Compare Files)

Index 72d1d5a..f2c8117 100644 (Metadata)

--- a/rainbow.txt (Markers)

+++ b/rainbow.txt (Markers)

@@ -3,4 +3,5 @@ orange (Chunks)

Yellow (Chunks)

Green (Chunks)

Blue (Chunks)

-purple (Chunks)

+indigo (Chunks)

+violet (Chunks)

Graphical user interface

Description automatically generated with medium confidenceViewing Working Directory Changes

Viewing Staged Changes

Graphical user interface, application

Description automatically generated

Diffing Specific Files

Graphical user interface, text, application, chat or text message

Description automatically generated

Comparing Changes Across Branches

Graphical user interface

Description automatically generated with medium confidence

Comparing Changes Across Commits

Graphical user interface, text, application

Description automatically generated with medium confidence