# GIT
# LEARNING
# PATH

git

SECURITY
EAGLES

- **Diff Tools**
- **Viewing History**
- **Viewing a Commit**
- **Unstaging Files**
- **Discarding Changes**
- **Restore to Previous Version**
- **Snapshots in VSCode**
- **Snapshots in GitKraken**

## Section 3 – Exploring History

- **Intro to Git Logs**
- **Getting a Repository**
- **Viewing History**
- **Filtering History**
- **Formatting Log Output**
- **Aliases**
- **Viewing a Commit**
- **Changes Across Commits**
- **Checking Out a Commit**
- **Using Bisect**
- **Using Shortlog**
- **File History**
- **Restoring Deleted Files**
- **Using Blame**
- **Tagging**

- **History in VSCode**
- **History in GitKraken**

# Section 4 – Branches & Merging

- **Branching Intro**
- **What Are Branches**
- **Getting a Repository**
- **Working with Branches**
- **Comparing Branches**
- **Stashing**
- **Merging**
- **Fast Forward Merges**
- **Three-Way Merges**
- **Merged vs Unmerged**
- **Merge Conflicts**
- **Merge Tools**
- **Aborting a Merge**
- **Undoing a Merge**
- **Squash Merging**
- **Rebase**
- **Cherry Pick**
- **Pick from Another Branch**
- **Branching in VSCode**
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# Section 5 – Remote Repos & Collaboration

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- **Creating a GitHub Repo**
- **Adding Collaborators**
- **Cloning a Repository**
- **Fetching**
- **Pulling**
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- **Storing Credentials**
- **Sharing Tags**
- **Releases**
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- **Pull Requests**
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- **Contributing to Open Source**
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- **VSCode Collaboration**
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# Section 6 – Rewriting History

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- **Why Rewrite History**
- **Golden Rule**
- **Bad History Example**
- **Undoing Commits**
- **Reverting Commits**
- **Recovering Lost Commits**
- **Amending Last Commit**
- **Amending Older Commit**
- **Dropping Commits**
- **Rewording Messages**
- **Reordering Commits**
- **Squashing Commits**
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