**Winter 2017 CSE 455 – Git Common Commands**

**Make a New Repository**

|  |  |
| --- | --- |
| git init | Create an empty Git repository or reinitialize an existing one |

**Add an Existing Repository**

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| --- | --- |
| git clone *URL* | Clone a repository into a new directory |

**Pulling From a Repository**

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| --- | --- |
| git pull origin *BRANCH\_NAME* | Fetch from and integrate with another repository or a local branch |

**Making a Commit and Pushing to a Repository**

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| --- | --- |
| git status | Show the working tree status |
| git add | Add file contents to the index |
| git rm | Remove files from the working tree and index |
| git commit | Record changes to the repository |
| git revert | Revert some existing commits |
| git push origin *BRANCH\_NAME* | Update repository with local changes |
| git stash | Stash the changes in a dirty working directory away |

**Branches**

|  |  |
| --- | --- |
| git branch | List, create, or delete branches |
| git checkout | Switch branches or restore working tree files |
| git merge | Join two or more development histories together |
| git diff | Show changes between commits, commit and working tree, etc |

For additional commands and documentation, visit

<https://git-scm.com/docs/>