Git Bootcamp Cheatsheet – Git & Vim

Create a Git Profile

git config –gobal user.name "Peter Parker" .... Sets profile name

git config –global user.email "Parker.P@midtown.net" ...... Sets profile email

git config –global editor="vim" .... Sets default editor

git config –global list .... Displays profile configuration

Make a Git Commit

git init .... Initalizes a new repository in a directory

git add <document> .... Add a document to staging

git status .... View documents that have been staged

git reset <document> .... Remove a document from staging

git commit .... Record changes to the repository

Generate a SSH Key

ssh-keygen -t ed25519 -C "Parker.P@Midtown.net" . Generate a new SSH key on your machine

Adding a SSH Key to SSH-Agent

eval "$(ssh-agent -s)" .... Start ssh-agent in the background

ssh-add /.ssh/<yourKeyName> . Add your key to the ssh-agent

Testing your SSH Connection

ssh -T git@git.cs.usask.ca .... Attempts to ssh to Gitlab

Git Branching

git checkout <branchName> ... Move to another branch

git checkout -b <branchName> .... Create a new branch

git checkout -d <branchName> . Delete a branch

git branch .... View all branches

git merge <branchName> Integrate changes from a branch into another branch

More Git Commands

git clone . Create a copy of an existing repository

git fetch ... Updates local references from remote branch but doesn't merge changes

git pull .. Fetches changes from remote repository and automatically merges them into your current branch

git push ... Uploads changes to remote repository

git log .... Display the commit history

git reset –soft <commitId> ... Reset to a specific commit, keep changes and staged documents from commits made after the commit

git reset –hard <commitId> .... Reset to a specific commit, discard any changes and commits made after the commit

Vim Commands

k .... Move cursor up

j .... Move cursor down

h .... Move cursor left

l .... Move cursor right

i .... Enter insert mode

esc .... Exit currect mode

:wa .... Write and save changes to all buffers

:wq .... Write and exit

:q .... Exit vim

Additional Learning Resources

Editors:
`http://www.nano-editor.org/`
`http://www.vim.org/`
`www.vim-hero.com`

Git:
`https://www.git-scm.com`
`https://www.git-scm.com/doc`
`https://docs.github.com/en`
`https://docs.gitlab.com/ee/`