**GIT AND VERSION CONTROL CHEAT SHEET**

|  |  |
| --- | --- |
| Command | Description |
| dir/ls | Show the current directory and the files in the directory |
| Dir/ls -a | Shows the hidden files in the directory |
| touch <filename> | Creates a file with the filename |
| code <filename> | Opens the file with the filename |
| git init | Initializes empty git repository in the folder |
| git status | Shows the file that are in the staging area |
| clear | Clears the terminal |
| git add <filename> | Adds the file with the filename to the staging area |
| git add . | Adds all files in the folder to the staging area |
| git commit -m “<message>” | Commits all files in the stating area with the message to the git repository under version control |
| git log | See what commit have been made with a timestamp and name |
| git config --global user.email “<email>” | Configures the email of the person making the commits |
| git config --global user.name “<name>” | Configures the name of the person making the commits |
| git diff <filename> | Shows the difference between the current files’ changes and the last commit of the files |
| git checkout <filename> | Rolls back the current file to the last commit of the file in the repository |
| git branch -a | Shows all the branches both the local and the remote connected repository |
| git remote add origin <remote repository url> | Tells the local repository that a remote repository has been created and where it is on the internet |
| git branch -M <branch name (main)> | Changes the name of the current branch (e.g., from master to main) |
| git push -u origin <branch name (main)> | Pushes the local repository to the remote repository on the branch called main |
| touch .gitignore | Creates a file that git will ignore when adding to the stating area |
| git rm --cached -r <filename> | Removes a file with the filename from the staging area |
| git rm --cached -r . | Removes all files from the staging area |
| git remote set-url origin <url> | Changes the url that is connected to the remote repository |
| git clone <url> | Clone/copy/download a remote repository at the url to the local repository as a folder |
| git branch <name> | Creates a new branch in the local repository |
| git branch | Shows which branch currently connected too |
| git checkout <branch name> | Switches the branch to the indicated branch name |
| git merge <branch name> | Changes the content of the current branch to the content of the branch name |

**NB: -**

Remember to add the extension to the filename