PDF Cheat-sheet of Useful Git Commands

- Git Clone ***.
    - **This command creates a copy of a remote repository onto your local storage.**
        - *syntax: git clone <repo_url>* **(Creates a local copy of the repo).**
        - *syntax: git clone <repo_url> <repo_name>* **(Creates a local repo copy and assigns a name).**

- Git Branch ***.
    - **This command creates a branch of the trunk code so developers can work on features without altering the source code.**
        - *syntax: git branch <branch_name>* **(Creates the branch locally).**
        - *Syntax: git push –u <remote_repo_name> <branch_name>* **(Pushes branch to remote repo).**
        - *Syntax: git branch or git branch --list* **(shows current or listed branches).**
        - *Syntax: git branch –d <branch_name>* **(Deletes the branch locally).**

- Git Checkout ***.
    - **This command switches to your branch.**
        - *syntax: git checkout <name_of_your_branch>*

- Git Status.
    - **This command provides the necessary info of the current branch.**
        - *syntax: git status*

- Git Add ***.
    - **This command preps the files to be added to the next commitment.**
        - *syntax: git add <file>* **(Single file)**
        - *syntax: git add –A* **(All the files)**

- Git Commit ***.
    - **This command creates a checkpoint in the development.**
        - *syntax: git commit –m "message"* **(Saves changes locally)**

- Git Push ***.
    - **This command sends the changes to the remote server.**
        - *syntax: git push <remote_repo_name> <branch_name>*
        - *syntax: git push --set-upstream <remote> <branch_name>* **(Also uploads new branch)**
        - *syntax: git push -u origin <branch_name>* **(Short version of option above)**

- Git Pull ***.
    - **This command gets updates from the remote repository, it's a combo of merge and fetch.**
        - *syntax: git pull <remote_repo_name>* **(May cause conflicts you need to fix manually)**

- Git Revert.
    - **This command undoes a specified commit without changing the commit history.**
        - *syntax: git revert <commit hash code>*

- Git Merge ***.
    - **This command is for uploading the feature branch to the master/main branch or "production"**
        - *syntax: git checkout <branch_name>* **(First your have to switch to the dev branch)**
        - *syntax: git fetch* **(You want to update your local dev branch)**
        - *syntax: git merge <branch_name>* **(Finally you upload your feature branch to production)**