*git Basic Commands*

* *create branch with name aarvi*

*“git branch aarvi”*

* *Initialize the branch*

*"git init"*

* + *after initializing you should config for the first time*

*“git config --global user.name "Sandeep”“--after this all commits happen under sandeep name*

*"git config --global user.email "hvyww@allstate.com"" --after this all commits happen under email name*

* *list of all users*

*"git config --list"*

* *Git files status* 
  + *"git status" – checks for git files status*
    - *after hit "git status" RED color files are in WORKSPACE status*
  + *"git add file1" - it adds file1 to index area*
    - *after hit "git status" GREEN color files are in INDEX AREA status*
  + *"git add." - it adds all files from working directory to index area*
    - *"git commit -m "Write some comments"" - commits all the files in working directory*
  + *after hit "git status" you get message like on branch master nothing to commit, working directory clean*

* *Git logs* 
  + *"git log" - to check logs for commits*
  + *"git log -n 10" -to check logs for commits and up to 10 commits*
* *Push code to central repository*

*“git push path of central repo branchName” (git push /c/centralRepo master)*

* *Create central repository in local*

*"git init --bare --shared" -*

*Note: you cannot directly create files on central repository*

***Branch***

* *list all branches*

*"git branch"*

*Note: Current working branch in listed as green color and \* as prefix*

* *Create new branch*

*"git branch master-1"*

* *Create new branch and checkout to that new branch*

*"git checkout -b brachName"*

* *Switch working branch*

*"git checkout branch name" (git checkout master-1)*

* *Delete Branch*

*first exit from branch*

*"git branch -d branch name"*

***Merge – Push - Pull***

* *git merge - update the code from one branch to another branch (branch2 -> branch1)*

*first check out to branch 1*

*"git merge branch2"*

* *git push - check in the code to central repo*

*“get push centralRepo localRepo”*

*“get push origin local-changes”*

* *git pull - get the updated files from central repo*

*login into target local repo*

*“get pull Centeal Repo Path”*

*3 ways to create files*

*"touch file3" - it creates empty file with file name "file3"*

*cat create the file and append the data and read the data (ctrl+d to save the file)*

*"cat > aarvi" - crate the file aarvi*

*"cat aarvi" - read the aarvi file data*

*"cat >> aarvi" - to append the data to aarvi file*