**Git commands.**

Hear we see the new as well as important commands in this documentation I will commit new changes after the new topic.

Therefore, we will see the some basics commands from previous instruction set.

Like adding this .doc file in repository.

1. First off all the configure the user name and and user Email this is comes in good practice

By using below command.

SETUP configuring user information used across all local repositories

**Git config --global user.name “user name”**

Set a name that is identifiable for credit when review version history

**git config --global user. email “valid-email”**

Set an email address that will be associated with each history marker

1. Working with snapshots and the Git staging area :

**i** . **git status**

Show modified files in working directory staged for your next commit

**ii . git add [file]**

Add a file as it looks now to your next commit (stage)

iii . **git reset [file]** & **git restore**

Upstage a file while retaining the changes in working directory

**iv . git diff**

Diff of what is changed but not staged

**V. git diff –staged**

Diff of what is staged but not yet committed

vi. **git commit -m “[descriptive message]”**

Commit your staged content as a new commit snapshot

Branching and merging both are important concept in git there are few discerption related to branch.

Branch and Merge : why branching and merging let’s assume I have been assigned new story to work with so what I’ll do first of all my entire code repository is in main branch so I will tack a copy of it while tacking a copy of it I’m just cut a branch from that main branch

BRANCH lets understand about branching strategy first I execute the **git branch**

I get the branch name, which is my current branch ok that was our **main** branch.

What if we want to create new branch which **new branch**

So the command for this is = git **branch [newbranch]**

**As you see** we working in **main branch,** ok

Therefore, we have to change the branch and work under the new branch that was we created earlier.

**Command for this: git checkout new branch**

Hear u see your currentbranch

**: git branch =** you get to see they you are now in new branch

Therefore, the whatever work or commit you do this will goes in your **new branch**

**In addition, in new branch we will create new instruction set 3 and start add in instruction in new branch ok.**