**Practical No. 04**

**Aim:** Create and visualize branches in Git

**How to create branches?**

The main branch in git is called master branch. But we can make branches out of this main master branch. We also can merge both the parent(master) and child (other branches).

**git branch**

lists your branches. a \* will appear next to the currently active branch

**git branch [branch-name]**

create a new branch at the current commit

**git checkout**

switch to another branch and check it out into your working directory

**git merge [branch]**

merge the specified branch’s history into the current one

**Visualizing Branches:** To visualize, we have to create a new file in the new branch “trial” instead of the master branch. After this we have to do three step architecture i.e. working directory, staging area and git repository.

A master branch is created after our first commit. Let’s commit a file and check the branch list. Since master has been created, we can now create a branch.

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