**Branching Development Model**

**Step 1: Initialize Git repository:**

$mkdir gitbranching

$cd gitbranching

$git init

**Step 2: Create branches.**

To rename master branch to production: $git branch -m Production

To create Hotfix and integration branch with Feature1 and Feature2 branches:

$git branch integration (It will create new branch integration)

**OR**

$git checkout -b integration (It will create integration branch if not exists and switch into it) like wise Hotfix branch and Feature branches in integration branch.

To view existing branches $git branch -a -v

**Step 3: create or change files in Production branch, add them and commit them.**

$vi file1

$git add .

$git commit -m “new file created in main branch”

$git status

$git log

**Step 4:** Do some changes in Feature2 branch and merge them into integration and then delete branch.

$git merge Feature2

$git branch -d Feature2

**Step 5:** Do some changes in Fature1 and rebase it into integration. Then merger integration branch into Production and Hotfix branch to update these branches.

$git rebase Feature1

$git checkout Production

$git merge integration

$git checkout Hotfix and $git merge integration

**Step 6:** Again, do some feature updates in Feature1 branch and merge them inito integration, production, Hotfix branches. And delete this branch once merging is done.

**Step 7:** Do bug fixing in Hotfix branch and merge them into production as well as integration branch to update the changes.