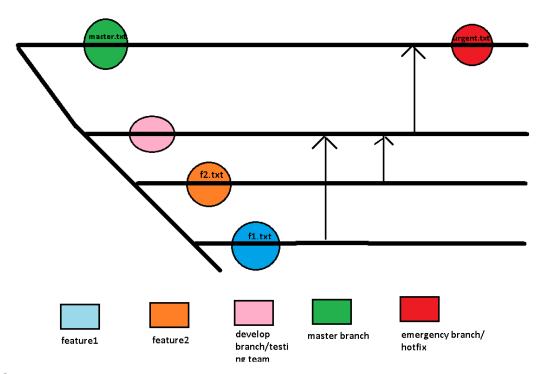
Module-2: GIT Assignment - 5

You have been asked to:

- Create a gitflow workflow architecture on git
- Create all the required branches
- Starting from the feature branch, push the branch to the master, following the architecture
- Push a urgent.txt on master using hotfix



Steps taken:

1. Create master.txt and stage and commit it.

touch master.txt

Git add .

Git commit -m "message"

2. Now create feature1 feature2 develop branch.

Git branch feature1

Git branch feature2

Git branch develop

3. Checkout to feature1 branch create f1.txt file stage and commit it.

Git checkout feature1

Touch f1.txt

Git add .

Git commit -m "message"

4. Checkout to feature2 branch create f2.txt file stage and commit it.

Git checkout feature2

Touch f2.txt

Git add .

Git commit -m "message"

5. Now checkout to **develop** branch and **merge feature1 and feature2** branch.

Git checkout develop

Git merge feature1

Git merge feature2

6. Now checkout master branch and merge develop branch to it.

Git checkout master

Git merge develop

7. Then create Hotfix branch.

Git branch hotfix

8. Create urgent.txt file stage and commit it.

Touch urgent.txt

Git add .

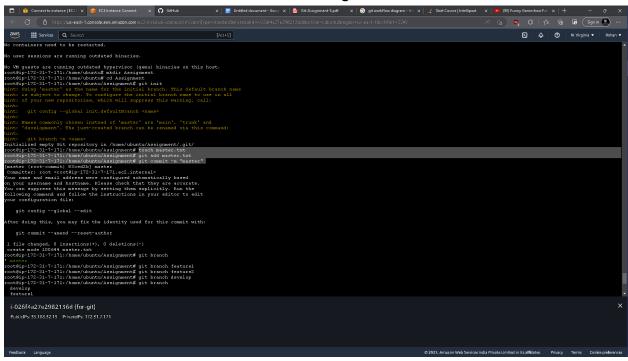
Git commit -m "message"

9. Checkout to master branch and merge hotfix branch to it.

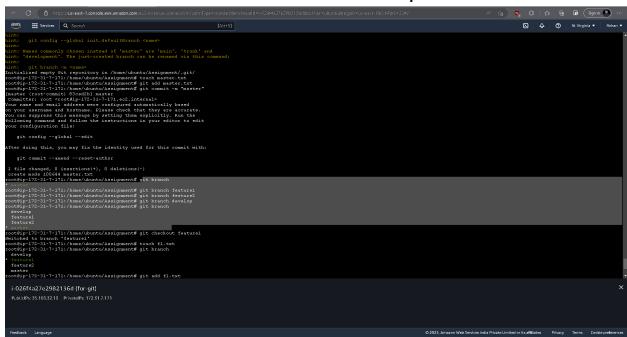
Git checkout master

Git merge hotfix

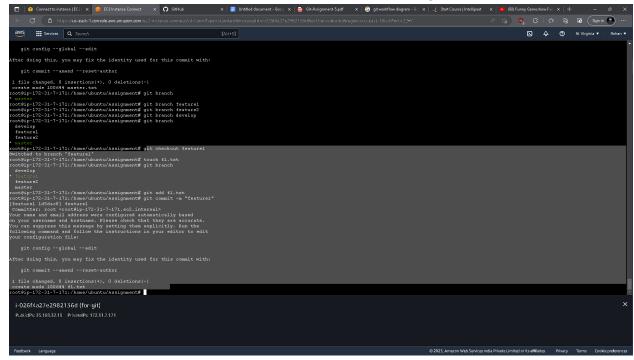
Create master.txt and stage and commit it.



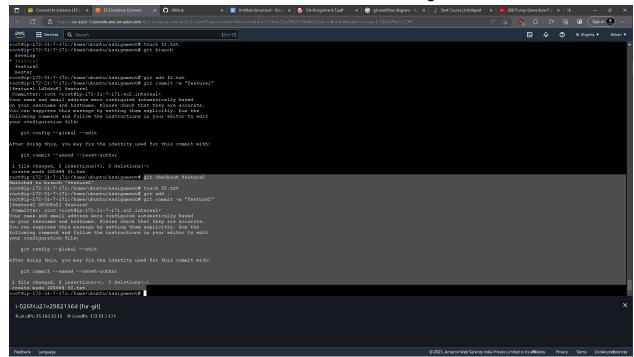
Now create feature1 feature2 develop branch



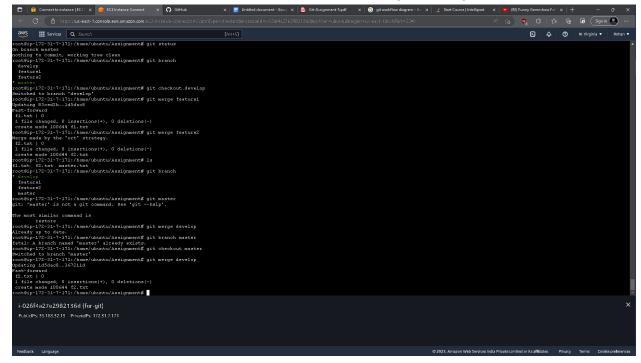
Checkout to feature1 branch create f1.txt file stage and commit it.



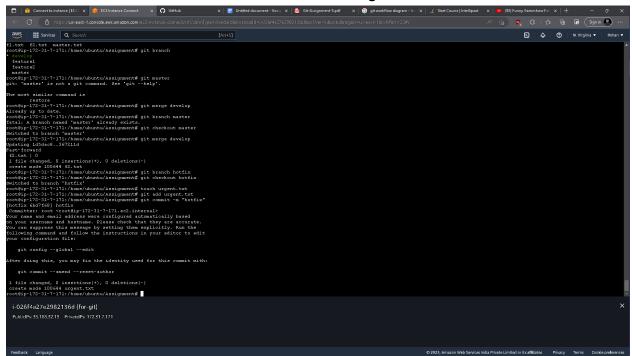
Checkout to feature2 branch create f2.txt file stage and commit it.



Now checkout to <u>develop</u> branch and <u>merge feature1 and feature2</u> branch. And checkout <u>master</u> branch and <u>merge develop branch to it.</u>



Then create Hotfix branch. Create urgent.txt file stage and commit it. Checkout to master branch and merge hotfix branch to it.



Conclusion: Different features of a project are worked on different branches. When completed they are forwarded to develop branch and develop branch is merged to master branch. Master branch does not come in contact with feature branch. Hotfix branch helps to rectify and commit emergency changes directly to master branch.

It helps teams to establish clear guidelines and processes for developing, reviewing, and merging code changes, which leads to a better organized and more reliable codebase.