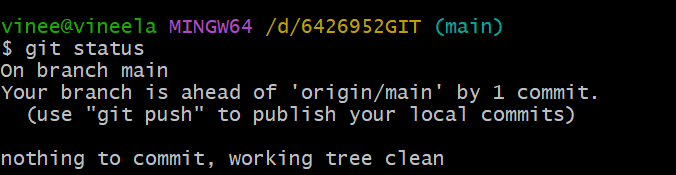
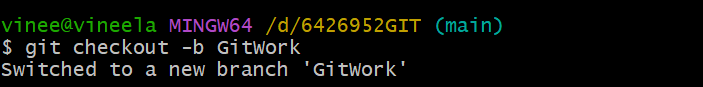
**WEEK – 8**

**4. Git-HOL**

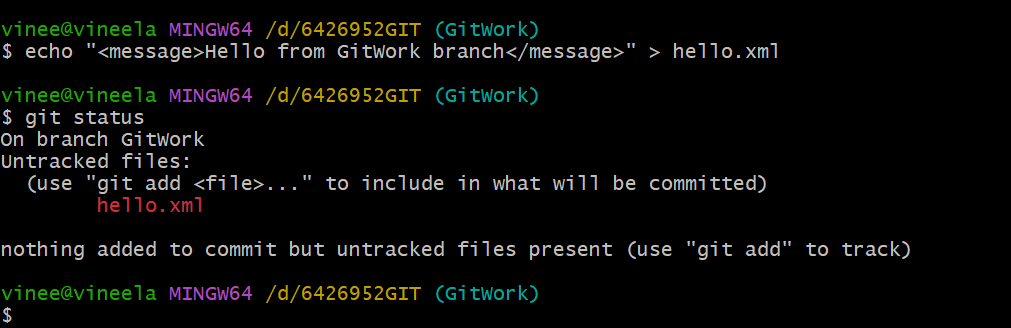
1. Verify if master is in clean state.



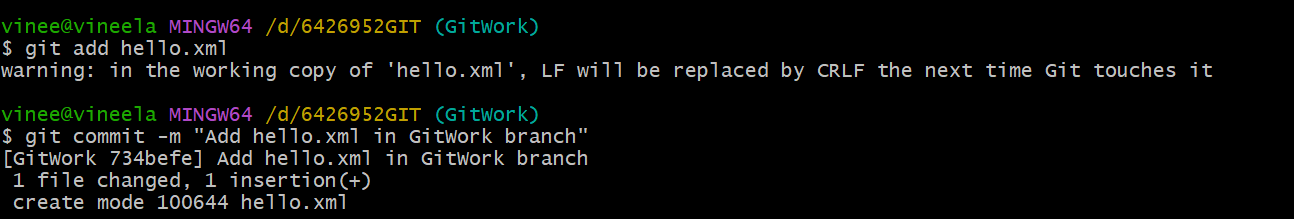
1. Create a branch **“GitWork”.** Add a file “hello.xml”.



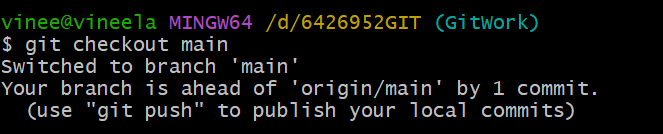
1. Update the content of “hello.xml” and observe the status



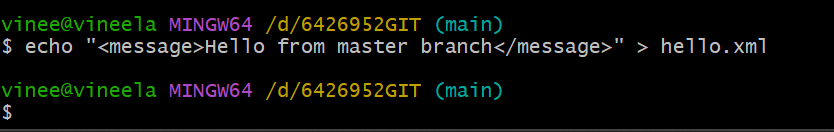
1. Commit the changes to reflect in the branch



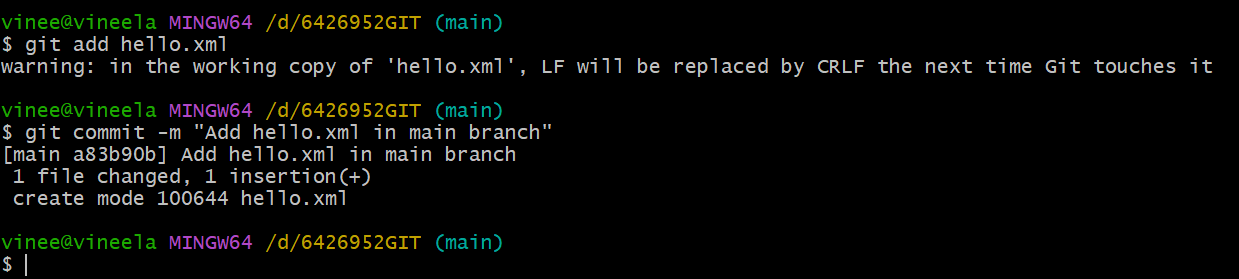
1. Switch to master.



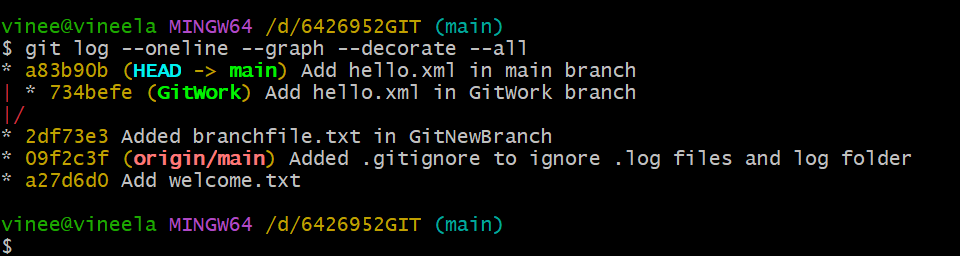
1. Add a file **“hello.xml”** to the master and add some different content than previous.



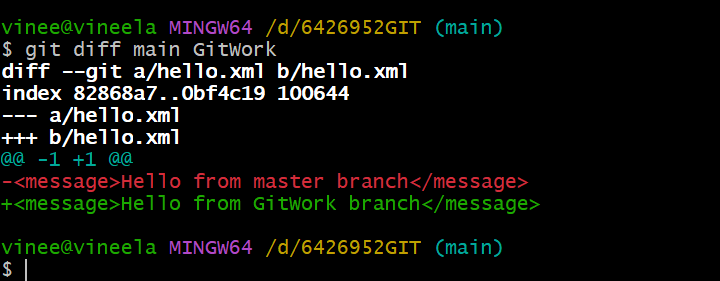
1. Commit the changes to the master



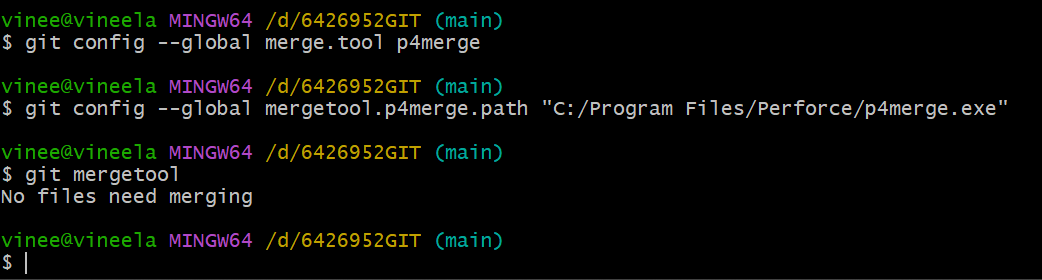
1. Observe the log by executing **“git log –oneline –graph –decorate –all”**

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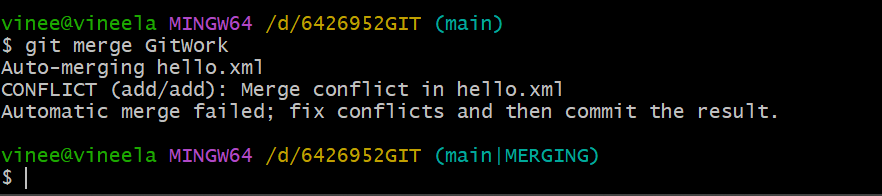
1. Check the differences with Git diff tool

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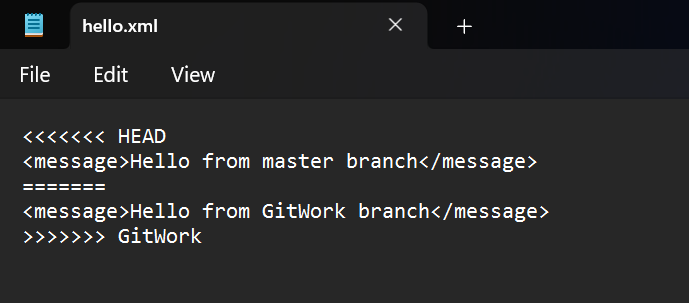
1. For better visualization, use P4Merge tool to list out all the differences between master and branch

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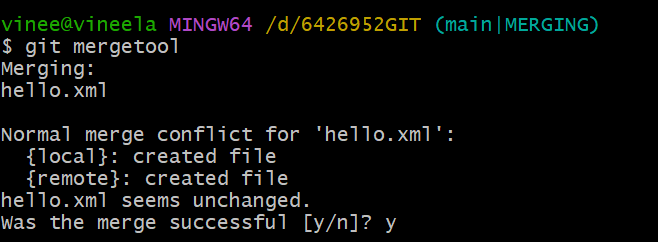
1. Merge the branch to the master

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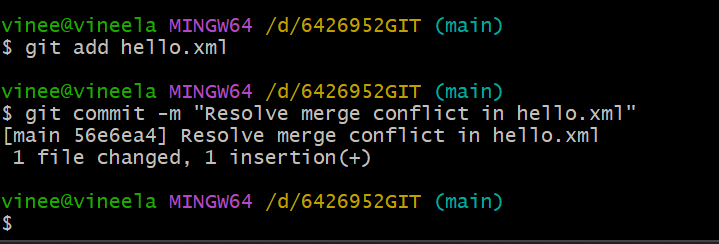
1. Observe the git mark up.

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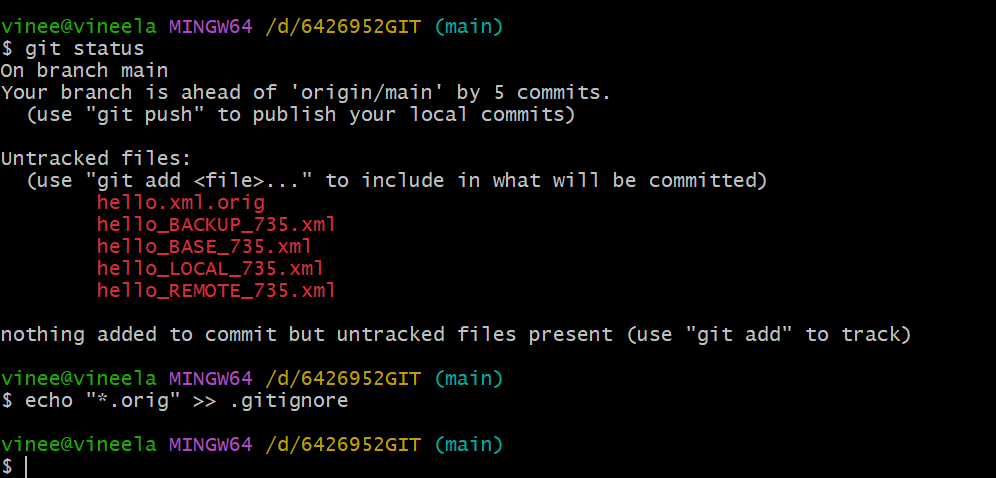
1. Use 3-way merge tool to resolve the conflict

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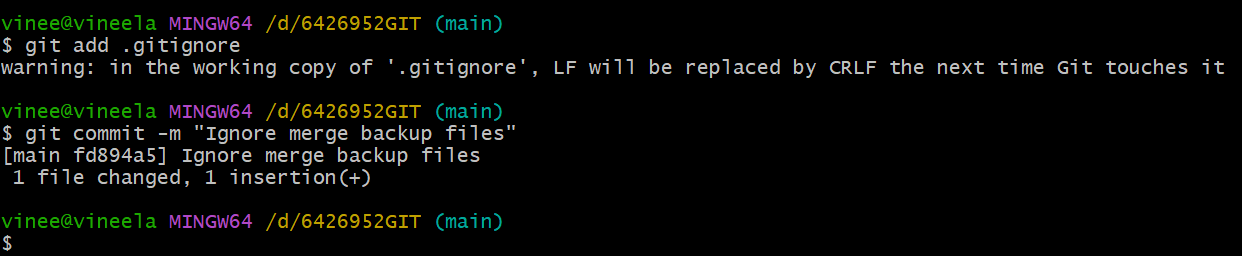
1. Commit the changes to the master, once done with conflict

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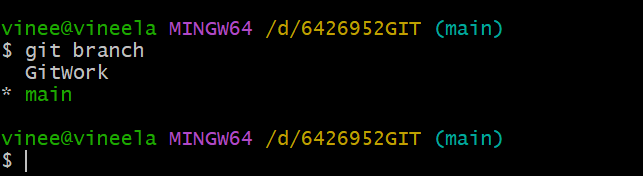
1. Observe the git status and add backup file to the .gitignore file.

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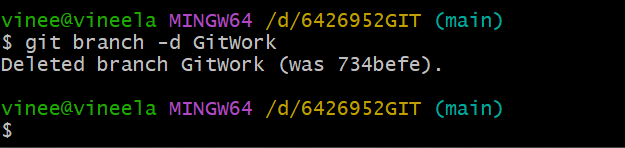
1. Commit the changes to the .gitignore

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1. List out all the available branches

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1. Delete the branch, which merge to master.

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1. Observe the log by executing **“git log –oneline –graph –decorate”**

