Name: Amirtha A

Superset id: 6394120

**4.GIT-HOL**

Please follow the instructions to complete the hands-on. Each instruction expect a command for the Git Bash.

1. Verify if master is in clean state.

A screen shot of a computer code

AI-generated content may be incorrect.

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

A screen shot of a computer screen

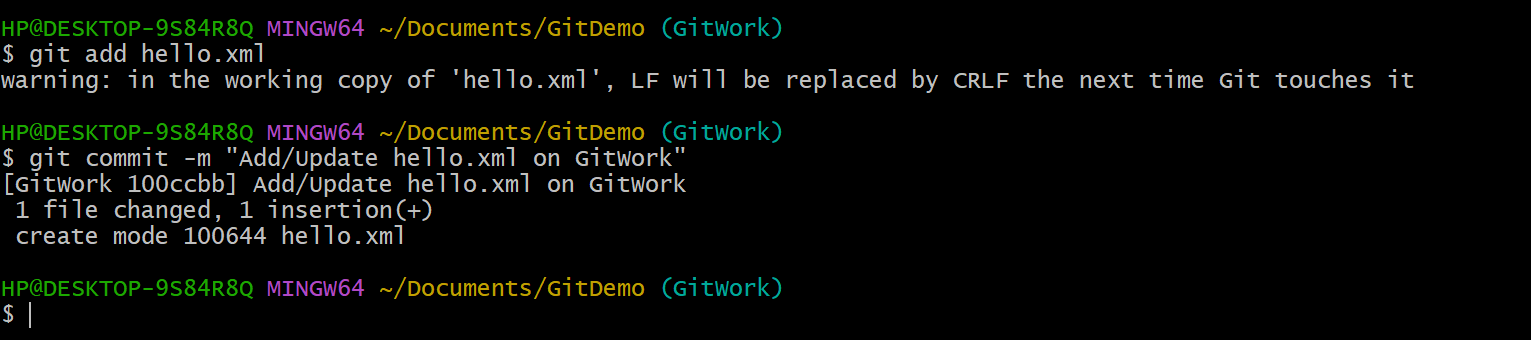
AI-generated content may be incorrect.

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

A screen shot of a computer screen

AI-generated content may be incorrect.

1. Commit the changes to reflect in the branch



1. Switch to master.

A screen shot of a computer

AI-generated content may be incorrect.

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

A screenshot of a computer program

AI-generated content may be incorrect.

1. Commit the changes to the master

A screen shot of a computer code

AI-generated content may be incorrect.

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

A screen shot of a computer screen

AI-generated content may be incorrect.

1. Check the differences with Git diff tool

A screen shot of a computer screen

AI-generated content may be incorrect.

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

A black screen with white text

AI-generated content may be incorrect.

1. Merge the bran to the master

A screen shot of a computer

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1. Observe the git mark up.

A screen shot of a computer program

AI-generated content may be incorrect.

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

A screen shot of a computer

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

A screen shot of a computer

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

A screenshot of a computer program

AI-generated content may be incorrect.

1. Commit the changes to the .gitignore

A screen shot of a computer code

AI-generated content may be incorrect.

1. List out all the available branches

A black screen with yellow text

AI-generated content may be incorrect.

1. Delete the branch, which merge to master.

A screen shot of a computer code

AI-generated content may be incorrect.

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

A screenshot of a computer screen

AI-generated content may be incorrect.