**4.GIT-HOL**

**CODE**:

bash: y: command not found

Manikandan@Manikandan MINGW64 ~ (master)

$ cd "C:\Users\Manikandan\OneDrive\Desktop\Week8\4.GIT-HOL"

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git init

Reinitialized existing Git repository in C:/Users/Manikandan/OneDrive/Desktop/Week8/4.GIT-HOL/.git/

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git status

On branch GitWork

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

hello.xml

nothing added to commit but untracked files present (use "git add" to track)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout -b GitWork

echo "<message>Hello from GitWork</message>" > hello.xml

git status

Switched to a new branch 'GitWork'

On branch GitWork

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

hello.xml

nothing added to commit but untracked files present (use "git add" to track)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ echo "<message>Updated in GitWork branch</message>" > hello.xml

git status

On branch GitWork

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

hello.xml

nothing added to commit but untracked files present (use "git add" to track)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git add hello.xml

git commit -m "Add hello.xml in GitWork"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[GitWork (root-commit) 6f51e4e] Add hello.xml in GitWork

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout master

error: pathspec 'master' did not match any file(s) known to git

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git branch

\* GitWork

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout -b master

Switched to a new branch 'master'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout GitWork

echo "<message>Updated in GitWork branch</message>" > hello.xml

git add hello.xml

git commit -m "Add hello.xml in GitWork"

Switched to branch 'GitWork'

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

On branch GitWork

nothing to commit, working tree clean

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout master

echo "<message>Hello from master branch</message>" > hello.xml

git add hello.xml

git commit -m "Add hello.xml in master"

Switched to branch 'master'

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[master bb32391] Add hello.xml in master

1 file changed, 1 insertion(+), 1 deletion(-)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git log --oneline --graph --decorate --all

\* bb32391 (HEAD -> master) Add hello.xml in master

\* 6f51e4e (GitWork) Add hello.xml in GitWork

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git diff master GitWork

diff --git a/hello.xml b/hello.xml

index 82868a7..3d4e617 100644

--- a/hello.xml

+++ b/hello.xml

@@ -1 +1 @@

-<message>Hello from master branch</message>

+<message>Updated in GitWork branch</message>

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git difftool master GitWork

Viewing (1/1): 'hello.xml'

Launch 'p4merge' [Y/n]? y

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout master

git merge GitWork

Already on 'master'

Already up to date.

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout master

echo "<message>Hello from master branch - edited</message>" > hello.xml

git add hello.xml

git commit -m "Edit hello.xml in master"

Already on 'master'

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[master 0e2d4b7] Edit hello.xml in master

1 file changed, 1 insertion(+), 1 deletion(-)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout GitWork

echo "<message>Hello from GitWork branch - edited</message>" > hello.xml

git add hello.xml

git commit -m "Edit hello.xml in GitWork"

Switched to branch 'GitWork'

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[GitWork 0f58922] Edit hello.xml in GitWork

1 file changed, 1 insertion(+), 1 deletion(-)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout master

git merge GitWork

Switched to branch 'master'

Auto-merging hello.xml

CONFLICT (content): Merge conflict in hello.xml

Automatic merge failed; fix conflicts and then commit the result.

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master|MERGING)

$ CONFLICT (content): Merge conflict in hello.xml

bash: syntax error near unexpected token `content'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master|MERGING)

$ git mergetool

Merging:

hello.xml

Normal merge conflict for 'hello.xml':

{local}: modified file

{remote}: modified file

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master|MERGING)

$ git commit

[master f61a553] Merge branch 'GitWork'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git mergetool

No files need merging

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout master

Already on 'master'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ echo "<message>Master FINAL edit</message>" > hello.xml

git add hello.xml

git commit -m "Final edit in master"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[master 84cdc72] Final edit in master

1 file changed, 1 insertion(+), 3 deletions(-)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git checkout GitWork

Switched to branch 'GitWork'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ echo "<message>GitWork FINAL edit</message>" > hello.xml

git add hello.xml

git commit -m "Final edit in GitWork"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

[GitWork 8abce81] Final edit in GitWork

1 file changed, 1 insertion(+), 1 deletion(-)

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (GitWork)

$ git checkout master

git merge GitWork

Switched to branch 'master'

Auto-merging hello.xml

CONFLICT (content): Merge conflict in hello.xml

Automatic merge failed; fix conflicts and then commit the result.

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master|MERGING)

$ git mergetool

Merging:

hello.xml

Normal merge conflict for 'hello.xml':

{local}: modified file

{remote}: modified file

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master|MERGING)

$ git commit

[master d0c558f] Merge branch 'GitWork'

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ echo "\*.orig" > .gitignore

git add .gitignore

git commit -m "Add .gitignore to ignore backup files"

warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

[master ed366df] Add .gitignore to ignore backup files

1 file changed, 1 insertion(+)

create mode 100644 .gitignore

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git branch -a

GitWork

\* master

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git branch -d GitWork

Deleted branch GitWork (was 8abce81).

Manikandan@Manikandan MINGW64 ~/OneDrive/Desktop/Week8/4.GIT-HOL (master)

$ git log --oneline --graph --decorate

\* ed366df (HEAD -> master) Add .gitignore to ignore backup files

\* d0c558f Merge branch 'GitWork'

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| \* 8abce81 Final edit in GitWork

\* | 84cdc72 Final edit in master

\* | f61a553 Merge branch 'GitWork'

|\|

| \* 0f58922 Edit hello.xml in GitWork

\* | 0e2d4b7 Edit hello.xml in master

\* | bb32391 Add hello.xml in master

|/

\* 6f51e4e Add hello.xml in GitWork