**HANDS-ON OF WEEK-8**

**1.Git-HOL**

git –version

git config --global user.name "Your Name"

git config --global user.email [your.email@example.com](mailto:your.email@example.com)

git config –list

notepad++

git config --global core.editor "notepad++"

git config --global -e

mkdir GitDemo

cd GitDemo

git init

ls -a

echo "Welcome to Git Hands-on Lab" > welcome.txt

ls

cat welcome.txt

git status

git add welcome.txt

git commit

git status

git remote add origin <your-remote-repo-URL>

git pull origin master

git push origin master

**2.Git-HOL**

touch debug.log

mkdir log

touch log/test.txt

\*.log

log/

touch .gitignore

git status

**3.Git-HOL**

git checkout -b GitNewBranch

git branch

git branch -r

git branch -a

git checkout GitNewBranch

echo "Hello from GitNewBranch" > file1.txt

echo "Some more content" > file2.txt

git add .

git commit -m "Added file1.txt and file2.txt on GitNewBranch"

git status

git checkout master

git diff master..GitNewBranch

git difftool master..GitNewBranch

git config --global diff.tool p4merge

git config --global difftool.prompt false

GIT\_DIFF\_TOOL=p4merge git difftool master..GitNewBranch

git merge GitNewBranch

git log --oneline --graph –decorate

git branch -d GitNewBranch

git branch

git status

**4.Git-HOL**

git checkout master

git status

git checkout -b GitWork

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

echo "<greeting>Hello again from GitWork branch</greeting>" > hello.xml

git status

git add hello.xml

git commit -m "Updated hello.xml in GitWork branch"

git checkout master

echo "<greeting>Hello from master</greeting>" > hello.xml

git add hello.xml

git commit -m "Added hello.xml with master content"

git log --oneline --graph --decorate –all

git diff master GitWork

git difftool master GitWork

git config --global diff.tool p4merge

git config --global difftool.prompt false

git difftool master GitWork

git checkout master

git merge GitWork

git mergetool

git add hello.xml

git commit -m "Merged GitWork into master with conflict resolved"

git status

echo "\*.\*~" >> .gitignore

git add .gitignore

git commit -m "Added backup file pattern to .gitignore"

git branch

git branch -d GitWork

git log --oneline --graph –decorate

**5.Git-HOL**

git checkout master

git status

git branch -a

git pull origin master

git checkout Git-T03-HOL\_002

git status

git push origin Git-T03-HOL\_002

git log origin/Git-T03-HOL\_002 –oneline

git fetch

git log origin/Git-T03-HOL\_002 --oneline