**GIT HOL-3 Solutions**

**Branching:**

1. Create a new branch **“GitNewBranch”.**
2. List all the local and remote branches available in the current trunk. Observe the “\*” mark which denote the current pointing branch.
3. Switch to the newly created branch. Add some files to it with some contents.
4. Commit the changes to the branch.
5. Check the status with **“git status”** command.

**Solutions:**

1.git branch GitNewBranch

2. git branch –a

3. git checkout GitNewBranch

echo "Sample content" > file1.txt

echo "Another file" > file2.txt

git add file1.txt file2.txt

4. git commit -m "Added file1 and file2 with sample content"

5. git status

**Merging:**

1. Switch to the master
2. List out all the differences between trunk and branch. These provide the differences in command line interface.
3. List out all the visual differences between master and branch using **P4Merge tool**.
4. Merge the source branch to the trunk.
5. Observe the logging after merging using **“git log –oneline –graph –decorate”**
6. Delete the branch after merging with the trunk and observe the git status.

**Solutions:**

1. git checkout master
2. git diff master GitNewBranch
3. p4merge <file1> <file2>
4. git merge GitNewBranch
5. git log --oneline --graph –decorate
6. git branch -d GitNewBranch