Lab 4 Screen shots

Branching and merging in git

**Introduction**

In this lab, you'll use your knowledge of git to check out an existing repo and create a new branch. After staging and committing changes in the new branch, merge it back to main.

**Screenshot 1**

Paste a screenshot of the repo you cloned from y GitHub (read the Lab 4 Instructions page).

A screenshot of a computer program

Description automatically generated

**Screenshot 2**

Create a new branch and switch to it: ***git checkout -b branchname***

You pick the name of the branch. Run ***git branch*** and take a screenshot.

A screen shot of a computer

Description automatically generated

**Screenshot 3**

Pick one of the files in the repo and edit it. You can make any change you like.   
Save the file and run ***git status***. What do you have to do next? Do it and take a screenshot when ***git status*** shows “nothing to commit, working tree clean”.

A screen shot of a computer program

Description automatically generated

**Screenshot 4**

To get ready to merge you have to first get back to main. Use ***git checkout main*** to do that, then run ***git branch*** and take a screenshot.

A screen shot of a computer

Description automatically generated

**Screenshot 5**

Use ***git merge branchname***  to merge changes back to the main trunk. Run ***git log –graph*** and take a screenshot. That is git log dash dash graph. This concludes our git activity. You have seen git fast-forward merging in action.

A screenshot of a computer program

Description automatically generated