#### Practice Quiz: Branching & Merging

**TOTAL POINTS 5**

1.

Question 1

When we merge two branches, one of two algorithms is used. If the branches have diverged, which algorithm is used?

1 point



three-way merge



fast-forward merge



merge conflict



orphan-creating merge

2.

Question 2

The following code snippet represents the result of a merge conflict. Edit the code to fix the conflict and keep the version represented by the current branch.

1 point



1

2

print("Keep me!")

RunReset

3.

Question 3

What command would we use to throw away a merge, and start over?

1 point



git checkout -b <branch>



git merge --abort



git log --graph --oneline



git branch -D <name>

4.

Question 4

How do we display a summarized view of the commit history for a repo, showing one line per commit?

1 point



git log --format=short



git branch -D <name>



git log --graph --oneline



git checkout -b <branch>

5.

Question 5

The following script contains the result of a merge conflict. Edit the code to fix the conflict, so that both versions are included.

1 point



1

2

3

4

5

def main():

print("Start of program>>>>>>>")

print("End of program!")

main()

Run

Git Branches and Merging Cheat Sheet

| **Command** | **Explanation & Link** |
| --- | --- |
| git branch | [Used to manage branches](https://git-scm.com/docs/git-branch) |
| git branch <name> | [Creates the branch](https://git-scm.com/book/en/v2/Git-Branching-Basic-Branching-and-Merging) |
| git branch -d <name> | [Deletes the branch](https://git-scm.com/docs/git-branch#Documentation/git-branch.txt--D) |
| git branch -D <name> | [Forcibly deletes the branch](https://git-scm.com/docs/git-branch#Documentation/git-branch.txt--D) |
| git checkout <branch> | [Switches to a branch.](https://git-scm.com/docs/git-checkout) |
| git checkout -b <branch> | Creates a new branch and [switches to it](https://git-scm.com/docs/git-checkout#Documentation/git-checkout.txt--bltnewbranchgt). |
| git merge <branch> | [Merge joins branches together](https://git-scm.com/docs/git-merge). |
| git merge --abort | If there are merge conflicts (meaning files are incompatible), --abort can be used to abort the merge action. |
| git log --graph --oneline | [This shows a summarized view of the commit history for a repo](https://git-scm.com/book/en/v2/Git-Basics-Viewing-the-Commit-History). |