← Back

Practice Quiz: Branching & Merging

Practice Quiz • 10 min • 5 total points

## Congratulations! You passed!

**Grade received** 100% **To pass** 80% or higher

Go to next item

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

**1 / 1 point**

● three-way merge

○ fast-forward merge

○ merge conflict

○ orphan-creating merge

**Correct**

Excellent! A three-way-mergeoccurs when the two commits have diverged previously, and a new commit is created.

**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 / 1 point**

```
print("Keep me!")
```

Run

Reset

**Correct**

You got it! No more conflicts here!

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

**1 / 1 point**

○ git checkout -b <branch>

● git merge --abort

○ git log --graph --oneline

○ git branch -D <name>

**Correct**

Right on! If there are merge conflicts, the --abort flag can be used to abort the merge action.

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

**1 / 1 point**

○ git log --format=short

○ git branch -D <name>

● git log --graph --oneline

○ git checkout -b <branch>

**Correct**

Awesome! The commandgit log --graph --oneline shows a summarized view of the commit history for a repo.

**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 / 1 point**

```
def main():

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

    print("End of program!")

```

Run

```
main()
```

Reset

Correct

Great work! Now the code has both versions without any conflicts!