

Your grade: 97.50%

Your latest: 97.50% • Your highest: 97.50% • To pass you need at least 80%. We keep your highest score.

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This graded quiz assesses your understanding of the concepts and procedures covered in the lab you just completed. Please answer the questions based on the activities you performed in the lab.

Note:

- You can refer to your completed lab for help with the quiz.
- In order to complete this quiz, you must have completed the lab before it.

1. What is the purpose of the "git commit" command, and how does it contribute to the version control process?

1 / 1 point

- ☐ The "git commit" command is used to push local changes to a remote repository, ensuring that the latest code is always available to collaborators.
- ☒ The "git commit" command is used to save the current state of changes in the local repository, creating a snapshot of the code at that point in time and enabling a detailed history of revisions.
- ☐ The "git commit" command is used to create a new branch in the Git repository, allowing developers to work on isolated features independently.
- ☐ The "git commit" command is used to revert code changes to a previous state in the Git repository, undoing any recent modifications.

Correct

2. In the given Git repository named "food-scripts," what command can be used to view the commit history, including the author's name, email, date, and commit message?

1 / 1 point

- ☒ git log
- ☐ git branch
- ☐ git status
- ☐ git diff

Correct

3. In a Git repository, what command would you use to create a new branch based on the current branch, and what command would you use to switch to that newly created branch?

1 / 1 point

- ☐ To create a new branch, use git checkout new-branch-name, and to switch to it, use git branch new-branch-name
- ☐ To create a new branch, use git push new-branch-name, and to switch to it, use git pull new-branch-name
- ☒ To create a new branch, use git branch new-branch-name, and to switch to it, use git checkout new-branch-name
- ☐ To create a new branch, use git merge new-branch-name, and to switch to it, use git commit new-branch-name

Correct

4. When collaborating with a team on a Git project, what is the main purpose of a remote repository?

1 / 1 point

- ☐ To store individual team member's versions of the project
- ☒ To function as a central repository where all team members can push and pull changes
- ☐ To maintain backup copies of the project
- ☐ To keep the final version of the project after all changes are incorporated

Correct

5. Which of the following statements are true about merging in Git? Select all that apply.

0.8 / 1 point

- ☐ Merging always creates a new commit.
- ☒ Merging cannot be performed on detached HEAD.

Correct

☒ Merged changes can be undone using the git revert command.

☒ Correct

☒ Conflicts may occur during merging.

☒ Correct

You didn't select all the correct answers

6. Which Git command is used to retrieve changes from a remote repository and merge them into your current branch?

1 / 1 point

- ☒ git pull
- ☐ git checkout
- ☐ git push
- ☐ git branch

☒ Correct

7. In a Git repository, what command is typically used to combine changes from a shared feature branch into another when you want to integrate new features or fixes?

1 / 1 point

- ☐ git log
- ☐ git checkout
- ☐ git add
- ☒ git merge

☒ Correct

8. What does it mean when Git says there is a 'merge conflict'?

1 / 1 point

- ☒ Git can't automatically merge the changes and needs your help to resolve the conflict.
- ☐ There is a syntax error in your code.
- ☐ The branch you are trying to merge does not exist.
- ☐ You have forgotten to pull the latest changes before merging.

☒ Correct

9. What is the primary purpose of merging a branch back into the main branch in a Git repository?

1 / 1 point

- ☐ To delete the branch permanently
- ☐ To create a backup of the branch and merge it back into the Git repository
- ☒ To combine the changes from the branch into the main codebase
- ☐ To rename the branch

☒ Correct

10. In a Git repository, what is the purpose of the "git pull" command?

1 / 1 point

- ☐ To view the commit history
- ☐ To push local changes to a remote repository
- ☒ To merge changes from a remote repository into the current branch
- ☐ To create a new branch

☒ Correct