

Distributed

Each developer has a copy of the whole repository on their local machine

Question

Which BEST describes GitHub?

- ☐ A distributed Version Control System (VCS)
- ☐ A Software Configuration Management system (SCM)
- ☒ A remote repository hosting service for Git
- ☐ A wiki site for Git users

✓ Correct

For real configuration and development work, you should use a secure and private Git server, and limit the people authorized to work on it.

Question

After making changes to our local repository, how do we update the remote repository to reflect our changes?

- ☐ Use the git clone command to clone the repository to the server.
- ☒ Use the git push command to send snapshots to the remote repository.
- ☐ Upload a README.md file with Markdown.
- ☐ Use the Create a repository form on the website

✓ Correct

Question

What will happen if the master repository receives a major update since the last local copy was synced?


- ☐ Git will push your local copy.
- ☐ Nothing will happen.
- ☒ Git will let you know it's time for an update.
- ☐ Git will automatically merge the local copy with the master.

✓ Correct

Question

If we want to make a change to a remote branch, what must we do?

- ☐ Directly make the change
- ☐ Use the git branch -r command
- ☒ Pull the remote branch, merge it with the local branch, then push it back to its origin.
- ☐ Use the git remote -v command

 **Correct**

Question

What's the main difference between git fetch and git pull?

- ☒ git fetch fetches remote updates but doesn't merge; git pull fetches remote updates and merges.
- ☐ git pull fetches remote updates but doesn't merge, while git fetch does.
- ☐ git fetch clones the entire repository.
- ☐ git pull requires a password while git fetch doesn't.

 **Correct**

Question

Assuming no merge conflicts, which type of merge does git pull perform automatically?


- ☐ Three-way merge
- ☐ Explicit merge
- ☒ Fast-forward merge
- ☐ Half-merge

 **Correct**

Question

What should you do with the <<<<<<, =====, and >>>>>> conflict markers when resolving a merge conflict?


- ☒ Remove all of the conflict markers and only leave the code as it should be after the merge.
- ☐ Leave the conflict markers surrounding the code that you want to keep.
- ☐ Remove the <<<<<< and >>>>>> markers, and put the ===== marker in front of the lines that you want to keep.
- ☐ Do nothing.

 **Correct**

Question

How do you switch to a new local branch?


- ☒ git checkout -b <branch name>
- ☐ git branch b
- ☐ git pull origin branch
- ☐ git merge branch

 **Correct**

Question

What does "git rebase refactor" do?

- ☒ Move the current branch on top of the refactor branch
- ☐ Move the refactor branch on top of the current branch
- ☐ Move the refactor branch on top of the master branch
- ☐ Move the master branch on top of the refactor branch

 **Correct**

Question

Generally, git rebase is an alternative to which command?

- ☐ git fetch
- ☒ git merge
- ☐ git push
- ☐ git pull

✓ Correct

Always synchronize your branches before starting any work on your own.

Avoid having very large changes that modify a lot of different things.

When working on a big change, it makes sense to have a separate feature branch.

When working on a big change, it makes sense to have a separate feature branch.

Regularly merge changes made on the master branch back onto the feature branch.

Have the latest version of the project in the master branch, and the stable version of the project on a separate branch.

You shouldn't rebase changes that have been pushed to remote repos.

Question

Which of the following statements is true regarding best practices for collaboration?

- ☐ Keep the stable version of the project in the master branch, and the latest version on a separate branch.
- ☐ Try to fit all changes into one large change.
- ☐ You should always rebase changes that have been pushed to a remote repo.
- ☒ Always synchronize your branches before starting any work on your own.

✓ Correct

Having good commit messages is important.