

**QUESTION1.** What do u mean by merge conflict?

**ANSWER1.** It occurs when git is unable to automatically resolve the differences in the code by itself between two commits.

When there is a conflict git doesn't know which code to keep and which to discard. For eg if there is a conflicting change on the same line or some file is deleted on one branch but not on other.

Merge conflict can only be resolved by the developer.

These conflicts usually happen when working in a team environment.

1. Git fails to start the merge when there are changes in the working directory or staging area of current project.
2. Git fails during merge - conflict in current local branch and branch being merged.

**QUESTION2.** Can we have 200 different branches other than the master?

**ANSWER2.** Yes!

**QUESTION3.** What is the difference between git branch -d and git branch -D?

**ANSWER3.** The difference between the two is explained as follows:

The -d option will delete the branch only if it has already been pushed and merged with the remote branch

However, -D option is used if you want to force the branch to be deleted, even if it hasn't been merged or pushed yet.