

What is a gitignore file and what should it include for a Java project?

Ans)git should ignore some file types because some system generated files are not needed to be pushed to the repository. In a java project it should include:

>Compiled class file

\*.class

>Log file

\*.log

>BlueJ files

\*.ctxt

>Mobile Tools for Java (J2ME)

.mtj.tmp/

>Package Files

\*.jar,\*.war,\*.nar,\*.ear,\*.zip,\*.tar.gz,\*.rar

>virtual machine crash logs

hs\_err\_pid\*

What does fast-forward in Git mean?

When you merge or rebase against a branch that is simply ahead of the one you checked out, Git performs a fast-forward.

"Fast forwarding" in Git refers to updating the HEAD pointer so that its new value is a direct descendant of the previous value. In other words, a parent, grandparent, or great-grandparent is the preceding value.

Why should you have different branches?

Each developer can branch out from the main code base and separate their work from other developers using branching. It also makes it easier for Git to combine versions later on.

In a project how many remote Git repositories do you usually have?

You can have as many remotes as you wish, but only one designated "origin" is allowed. The "origin" remote is the default remote that Git creates when you clone an existing repository.