GIT Homework

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**What is GIT and why do we use it?**

GIT (Global Information Tracker)

GIT is a software for tracking changes in any set of files, and usually used for coordinating work among programmers to collaboratively develop the source code.

**What is VCS and what are different types of VCS? Compare their pros and cons.**

VCS(Version Control System)

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later.

Version Control Types  
1. Centralized - one central server and many users  
2. Distributed - local repositories added for each user

**What are the advantages that GIT provides?**

GIT allows

- team members to collaborate  
 - track and revert changes

(It is also an open-source tool)

**What do you know about GIT branching?**

GIT branching allows developing different code on the same base. Makes it easy to work together and collaborate with team members

**What is merging in GIT?**

GIT merging allows merging changes from one branch to another

makes it easy to work together and collaborate with team members