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Assign12

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1. What is version control? Why should we use it? Write name of one centralized and one distributed version control system. 2 points

　　　　Version control is a way to track changes in code or a document over time. It is useful to track and document the changes help identify where bugs are introduced, help share work between teams, support multiple lines of development for different releases, and allow accountability during the process. Centralized versions control all version tracking is all on one machine and is the one and only system of record. When changes are made, they check in with their components back into the compensatory. With distributed version control, instead of checking out the files that developers need, instead they create a clone of the project repository that is downloaded onto a computer. Once the changes are complete, they push these changes onto the repository server.

2. 2. Define these GIT terms. 0.5 point each term

　a. Git -> Distributed source code repository to track changes in files

b. Branch -> Unique set of code changes with a unique name. It is a line of development which can have many branches.

c. Clone -> Command used to create a copy of a repository or a branch.

d. Push -> Presenting changes from a git repository to a remote repository

e. Merge -> Moving changes from one branch to another. It allows you to combine branches together.

f. Pull -> Refreshing from a repository. Allows you to tell others about the changes that you have

made to a repository.

g. Fetch -> Finding out what changes are in a repository. Allows you to download from a remote repository.

h. Checkout -> Changing the status of a branch so that you can make changes to them.