

Quiz

Saturday, August 10, 2024 11:52 AM

Intro -to Version Control - Quiz

1. What is Version Control?

- **Q1:** What is the primary purpose of version control?
 - **A)** To record changes to files over time.
 - **B)** To deploy code to production.
 - **C)** To create backups of your files.
 - **D)** To manage user access to a server.
- **Q2:** Why is version control essential for team collaboration?
 - **A)** It locks files to prevent changes.
 - **B)** It allows multiple contributors to track and manage changes over time.
 - **C)** It automatically merges all changes without conflicts.
 - **D)** It archives files without tracking changes.

2. Centralized Version Control

- **Q3:** What is a key characteristic of a Centralized Version Control System (CVCS)?
 - **A)** Each user has a local copy of the entire repository.
 - **B)** A single central repository stores all versioned files.
 - **C)** Users can work offline and commit changes independently.
 - **D)** Branching and merging are difficult to manage.
- **Q4:** Which of the following is an example of a Centralized Version Control System?
 - **A)** Git
 - **B)** Subversion (SVN)
 - **C)** Mercurial
 - **D)** Bitbucket

3. Decentralized Version Control

- **Q5:** What is a major advantage of Decentralized Version Control Systems (DVCS)?
 - **A)** Easier for beginners to use.
 - **B)** Each user maintains a complete local copy of the repository.
 - **C)** All users must be online to make changes.
 - **D)** There is no need to merge changes from other users.
- **Q6:** Which feature of DVCS is particularly beneficial for geographically dispersed teams?
 - **A)** Centralized server control.
 - **B)** Offline work capabilities.
 - **C)** Linear workflow.
 - **D)** Automatic deployment.

4. Decision Guide

- **Q7:** Which version control system is best for a large team that needs to work offline?
 - **A)** Centralized Version Control (CVCS)
 - **B)** Decentralized Version Control (DVCS)
- **Q8:** For a small team with a linear workflow, which version control system would you recommend?
 - **A)** Centralized Version Control (CVCS)
 - **B)** Decentralized Version Control (DVCS)

5. Tips for Using Version Control Systems

- **Q9:** Why is it important to commit changes regularly in a version control system?
 - **A)** To prevent file duplication.

- **B)** To reduce merge conflicts and keep the project up to date.
 - **C)** To overwrite other users' changes.
 - **D)** To automatically resolve all conflicts.
- **Q10:** What is a best practice when naming branches in a version control system?
 - **A)** Use long and descriptive names.
 - **B)** Stick to a consistent naming convention.
 - **C)** Change branch names frequently.
 - **D)** Use random names for branches.