

Git review

Quiz, Form: A

Section 1. Basic concepts

Match the following concepts with their definitions.

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|---------------------|--|
| _____ branch | (a) a pointer to a particular commit |
| _____ working tree | (b) joins two or more development histories together |
| _____ staging area | (c) a DAG of commits with additional information (e.g., branches, tags, remotes) |
| _____ commit | (d) used to synchronize repositories |
| _____ repository | (e) directory containing the files you are currently working on |
| _____ remote | (f) where snapshots of changes are placed before they are committed |
| _____ merge | (g) a full snapshot of a working tree |
| _____ push and pull | (h) a pointer to a particular commit, which moves forward as you commit |
| _____ tag | (i) another repository whose branches your repository tracks |

Section 2. Short Answer

Please explain what each of the following terms means.

1. `HEAD`
2. `master`
3. `origin`

Please answer the following questions.

4. Which of the above terms are fixed and which are used by convention?
5. What `git` command would you use to see what `master` specifically refers to in one of your repositories?
6. What `git` command would you use to see what `origin` specifically refers to in one of your repositories?