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Q1. The notation used means:

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| The notations highlight the changes to the file.  The chunk header is in the format @@ from-file-range to-file-range @@ [header]. The from-file-range is in the form -<start line>,<number of lines>, and to-file-range is +<start line>,<number of lines>.  In this case, starting from line 1, 26 lines have been extracted, while starting from line 1, 10 lines have been added.  Inside the chunk, - <red> highlights the lines removed and +<green> highlight the lines added. |

Q2. Why does Git insists on you manually staging changes for the next commit?

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| There could be certain files you want to stage and commit at a later stage.  It is also much better to stage and commit related files in each version.  Golden rule: Only commit related changes with a simple commit message |

Q3. Paste the visualized history screenshot below:

Graphical user interface, text, application

Description automatically generated

Q4. Give the screenshot just before commit button is clicked:

Graphical user interface, application

Description automatically generated

Q5. We don’t want to track temporary or transient files because they are not useful or necessary to you or collaborators

Often, there are files inside the Git working folder that you don't want to revision-control e.g., temporary log files.

Easier to use .gitignore to list files not to track

Q6.

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| 1. Version of file content is   The latest commit |
| 1. “Revert Changes”   It undoes all unstaged changes |

Q7.

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| a.   |  |  | | --- | --- | | **File** | **Status** | | GeekLearningGit.txt | Exists, Version 1.0 | | GitIsNotHard.txt | Removed | | funny.txt | Removed | | notFunny.txt | Exists as it was not tracked, together with GitJoke file | |
| 1. Hard Reset reverts back to state of chosen commit, except untracked files   Reset working tree and index (discards all local changes) |

Q8.

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| The statement is wrong….  GitHub is remote repository and not something saved on your hard disk. You can clone a repo locally and make changes before pushing to the remote repo |

Q9. Content of our repo is (screenshot):

Graphical user interface, text, application, email

Description automatically generated

Q10. The content of our “Code C.txt” (screenshot) is:

Graphical user interface, application, Teams

Description automatically generated