

1. What is meant by distributed version control?

That the complete codebase of a given project, which includes its full history, is mirrored on every developer's local machine.

2. Why was Git created?

Git was created by Linus Torvalds when "Bit Keeper" was no longer free. Torvalds didn't particularly care for the other options available to him (CVS, SVN), and while he did like some of the features of Bit Keeper, he felt like he could create a better VCS himself. The VCS he created was Git.

3. What is the difference between Git and Github?

Git is a widely used VCS that is used by developers and programmers for both developing as well as maintaining code.

GitHub is the web-based platform for hosting Git repositories.

4. Have you used version control software before? In what way?

Yes. I have used GitHub in the past. Mostly, I used it to upload work from the classes I have taken so far, but I have branched and merged repos from command prompt, in the desktop app, and on GitHub.com

5. Do you use any VCS that is different than GitHub? Which? How does that work for you?

No. GitHub is the only VCS that I have used. GitHub has worked well for me so far. Admittedly, I have not done a huge amount of work in development just yet so my experience with GitHub is minimal, but I found it easy enough to use and it has done what I have needed it to do.

6. Would you use Github or another VCS when you're a solo developer? Why?

Yes, I would use GitHub as a solo developer. Using a VCS as a solo developer not only keeps the source code backed up, but it also tracks the history of changes, including comments that can help you recall why you made the changes you made in the future. It also makes it easy to go back to an earlier version of the code if, for example, changes were made that made the application stop working. These features can take the anxiety out of experimenting with new ideas.