

Discussion Questions for “Introduction to Git”

1. Given the motivation scenario, can you think of some ways to better manage versions of code?
2. Have you ever used any version management software before? If so, what? Did it work well? What were some of the good points, and what were some of the problems with the software?
3. Was “Git” the only version management system used to manage the development of Linux? If not, what else was used? Why did Linux Torvalds decide to change?
4. Git is officially a vanilla “version management system”, whereas GitHub is a “distributed version management system”. What is the difference? What is it about GitHub that makes it distributed?
5. When using Git and GitHub, what is a “conflict”? Give a scenario where a conflict might occur and explain how a conflict can be resolved.
6. When you accept an assignment and GitHub classroom creates a new master repository for you, who can read and write in that repository? Why does such a security configuration make sense?
7. Given the motivation scenario, what are the advantages of using Git and GitHub? Give specific examples using the motivation scenario, and generalize from the examples.