What is Version Control?

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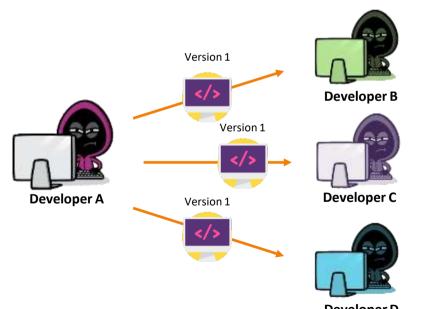
Version control is a system that records/manages changes to documents, computer programs etc over time. It helps us tracking changes when multiple people work on the same project



Imagine, Developer A creates a software, and starts a company with this software.

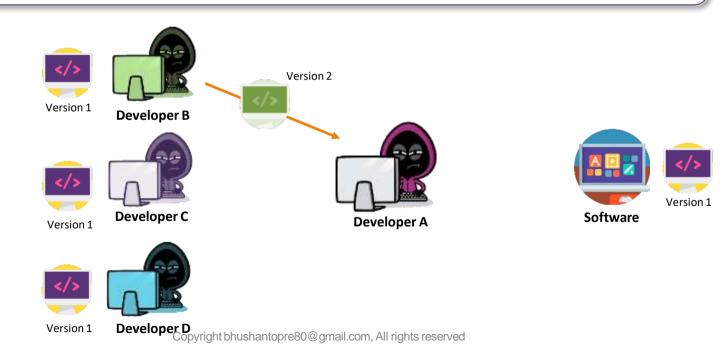


As the company grows, Developer A hires more people to enhance the features of **tis stree**Developer A shares the source code copy with each one of them to work on

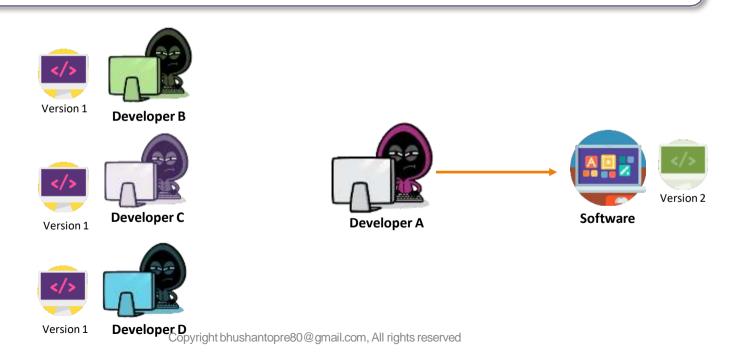




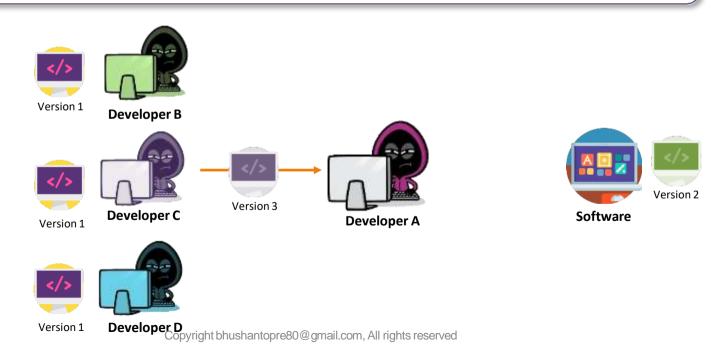
Developer B, enhances the software with a feature and submits it to Developer A



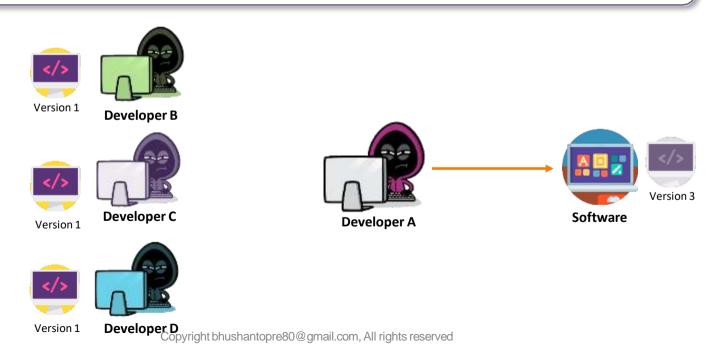
Developer A, verifies the changes, and if all looks well, simply replaces the code **6** temain software



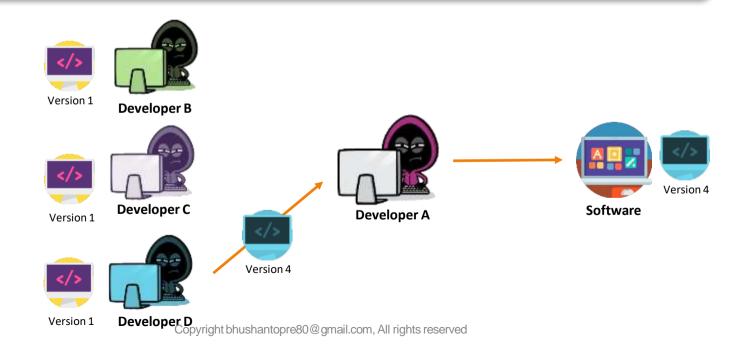
Now, the problem starts here, Developer C also finished his work, and submits **te tes**to Developer A. But, Developer C worked on the code of Version 1.



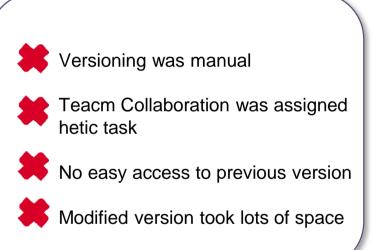
Developer A certifies the features, takes the code changes and manually integrates them with version 2 code



Similarly when Developer C is done with his work, submits the work to Developer A verifies it, manually integrates the changes with Version 3







Advantages of Version Control



- Versioning is Automatic
- Team Collaboration is Simple
- Easy Access to previous version
- Only modified code is stored across different location