**2023 CSE Winter School – Activity Report**

**Mentor**: Alambek Gulamidinov

**Class details**

* **Session** [7]: Version Control (Git)
* **Date**: 2023.02.04
* **Time**:   
  - 2.04 11:00-14:00 (3 hours) preparation

- 2.04 15:00-16:30 (1, 5 hour) Lecture

- 2.04 19:00-19:30 (0,5 hour) Q&A session

* **Attendees**: [예현수]
* **Absentees**: [고은호 : unknown reasons, 정영찬 said he is busy and will watch the recording]

**Description**

[Brief narrative summary]

The 7th session was about Data Wrangling.

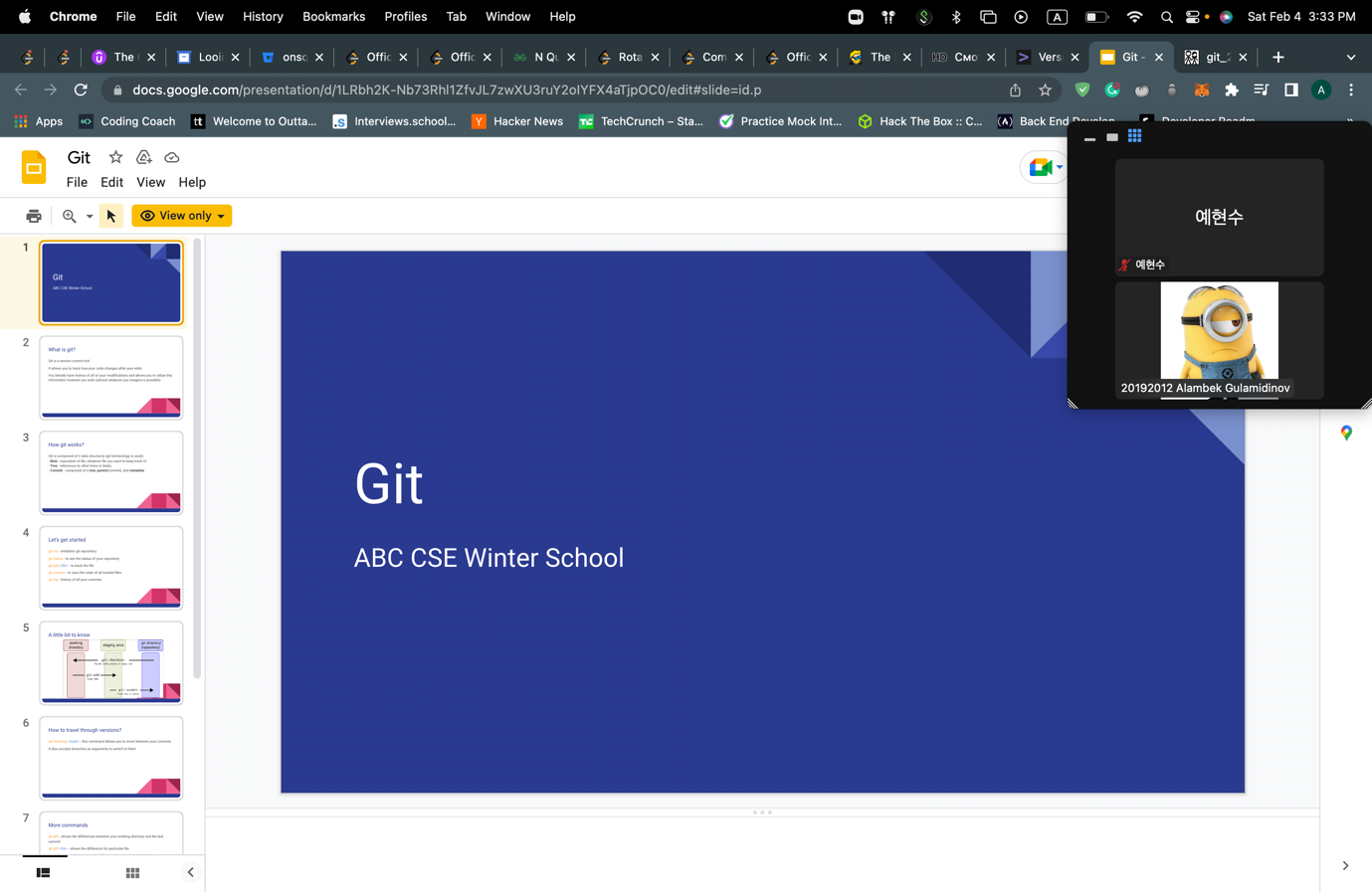
Version control system, or Git is one of the most used and important topics needed to know in CSE. Mastering Git can help you not only in collaborative work but also to do local projects and manage your work in a proper way.  
The Git concept was totally new to my students, though they have heard about it and used some of Git repository hosts as Github and Gitlab.  
They struggled to understand since it was new and difficult concept for them.   
But we tried our best and structured our lecture in different parts.  
1st part was about design of git and how to abstractly understand how git is designed and how it works.

After getting known its design and structure we practiced to learn how the data is passed from local repository to staging area and then to git repository.  
It was fascinating that Git can enables to work at the same time and do different part of job with different code and then combine the work using git branching and git merge.

We didn’t cover git conflicts in deep but I explain that merging is not very easy in some situations and they should learn to resolve git conflicts.

After this we learned about remote git and git diff commands which helps to check the difference that were made and going back to the last commits.

**Activity Screenshot**



Graphical user interface, application

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