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## **Programming Assignment 1**

Experiments done in macOS with VSCode. We tried a simple scenario where Star Wars fan encounters with an normal person during online text editor. In our scenario firstly as you can see both users log in to the editor. Then first user which is Star Wars fan types "hello there". Then the other user tries to type normal "hi" message but he is not up to date on versions so he could not. Then second user updates the program and now he can append "hi again" message. First users sees that and he got angry that the second user don't know this epic scene. He uses write command to change specific line which contains "hi again". He chooses the appropriate line number and writes "general kenobi". Then the second user understand that he made a mistake and append some silly reference to the Star Wars. Then they both log out using "EXIT". There were multiple version conflicts while that simultaneous dialog happening but they overcome that problem with using "UPDT - Update" menu option. You can see the whole action in the screenshot of the three command lines in the page below. The left most is the server, the middle one is the first user which is Star Wars fan, the rightmost one is the second user.

You can see in the server side there are some silly commands which is "WRTE asd" that weren't send by a user. This command send by an our program in order to get the version number. Every time menu shows up we run that command to ensure that we use the correct version number while transforming our user input to the commands that server can understand.

