

## Writeup1-1

### Initial Decision:

-Our group initially decided to pursue a python path to utilize built-in packages such as pandas and numpy. After a few attempts, we pivoted to Java and created all filtering using streams. We worked primarily in IntelliJ IDE.

### Architecture:

-We utilized lists to store students along with the corresponding information. Since Java streams allowed instant filtering, we would directly print line by line instead of storing and printing the output later.

### Task Log:

-**Victor:** Tasked with creating the parsing tools to read in and read out the text file. Each line in the file would be stored into a list to create easy access and comparison when filtered through the streams.

Time: 9am - 10:30am, 4pm-5pm

Total Hours: 2.5

-**Jai:** Tasked with creating the functions and streams to filter the data. Once the input was received, the proper function needed to be called based on each case. Each case was designated a separate function which led to the more readable code, but more work.

Time: 4pm - 6pm

Total Hours: 2

-**Kyle:** Tasked with creation of the write-up as well as the getting and parsing user input.

Time: 9am - 10am, 4pm - 5pm, 9am-10am

Total Hours: 3

### Testing:

-Victor was responsible for testing and encountered 4 bugs. Luckily, these bugs were related to improper string formatting, not incorrect parsing of the file. This was of course the last thing we did and required minimal time to fix it.