1. For the **first** prompt the code contained an unexpected ‘)’ so fixed that Manually.
2. The first prompt was to ChatGPT, and it has been trying to run for about 3 minutes, so I had took out Data-7 file from the processing files to make sure that the code it working
3. Even with this it was not working and taking a long time to process files 1-6, so I made my second prompt
4. The **second** prompt was to display a message so that I know what the code is doing and where it’s getting stuck. Additionally, I made it so that it only tackles 2 data files, since there may be an issue when trying to gather the data from 6 different files
5. Even after trying to reduce the files that were being read, it did not display anything, that’s why I asked the **third** prompt
6. Even with (flush-output) it was buffering for a long time. That is why in the **fourth** prompt I had everything printed to an output file.
7. There was an error that Drracket displayed and for the **fifth** prompt, I copied the error to Chat GPT to fix the code.
8. The output file was not able to give the integers in the correct format so I asked it with my **sixth** prompt to fix that. Output files should have only the value pairs and the sorted ints.
9. I have noticed that every single time that I had Chat GPT edit the code, there was a read-syntax error for the second function that was never caught and the edited code would always have that error. It was a simple extra “)” at the end of the second function.
10. Changed the name of the output file from output.txt to sorted.txt manually.
11. Was getting some errors so I had decided to just create a program that would run it based on just 1 data file and create a **seventh** prompt.
12. Prompt seven worked and I got a result that sorted the integers from the data 1 file. The reason that I decided to go with prompt seven was because it was taking too long to run the code for the first several prompts, and when it did run the code it was creating an output file with the incorrect format. I needed the integers sorted and the value pairs for each integer in all the files. Prompt seven just gave the sorted ints and not the value pairs
13. Created prompt **eight**, which fixed the errors of prompt 7, it was not able to give the value pairs and sort the list for data 1. Now I need to get this printed to an output file.
14. With the **ninth** prompt, I changed the code so that it would be printed to an output file.
15. There was an error in the code since I was using a different model of Chat GPT, the ninth prompt had an error, which I resolved in the **tenth** prompt, making GPT fix the errors that were encountered when running the code
16. With everything working, now I need to make sure that the code would work properly with multiple input files. I needed to implement a for loop that would go through files Data-1 to Data-7, which was covered with prompt **11**.
17. However I got an error again with the code that was given to me by ChatGPT, it was stating that the output file already existed. This time, I went over to DeepSeek for prompt **12.** Which was to just fix the error that happened in the code.
18. Finally, I gave promt **13**  my last prompt to Deekseek. Which the code that I had along with the prompt to make sure that my code met all the requirements for this assignment.

During the beginning of the development process, I had thought that it would be easier to break the code into pieces. I was hoping to have each function developed separately. So, when I had started it was going okay until I had errors popping up. It was hard for the LLM (ChatGPT) to fix the errors that were being produced. I then went and just put everything together. During the modification process of the code it was hard to get the LLM to see some of the errors it was giving. Like for example, the read-syntax error that was in the second function,(the extra ‘)’ at the end of the function). It was never caught. Instead of editing/modifying each function separately, I would copy the code to the LLM and ask for the modification to fix the error or just improve functionality.It also seemed that the LLM could not catch its own mistakes/errors. Sometimes I would have to use another LLM to find the errors in my code. Additionally, I had the code first just being printed to the console, however when I started to include more data files, it seemed to be taking a long time to print to the console. That is why I had the code changed to print everything to an output file. I was hoping that by doing this it would print everything in a clear and concise manner. There also seemed to be a bit of a difference between the code generated from different LLMs (ChatGPT vs DeepSeek). When I was trying to do things piece by piece, there was a little difference between the same functions. When I had everything generated at once, it was easier to modify the code. During the project I felt it was easeri to use multiple LLM’s. It was easeir to catch errors, explain the generated code, and even rewrite the code generated by the other LLM.