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State

1. I was having trouble with my Makefile and couldn't get it to work on Grade Scope. I was also having trouble with the Binary Tree which is why it's the last thing that I worked on before trying to move on. I also had trouble with CLION on the VM so I used VS Code on my local machine with a Linux terminal to do my compilations and testing. I did run my code on the Ubuntu software before I submitted to make sure it worked on there as well.
2. I believe my Preprocess had perfect implementation as it always outputted exactly what the sample output was. I was unable to finish my binary tree and iterate through it to create the encoding strings.
3. The only work I did with other students is documented on the CSE310 Discord. It involved clarifications of project specifications and talk about common errors that people were running into. I also helped others in their code and debugging process.

4. [Insertion Sort - GeeksforGeeks](#)

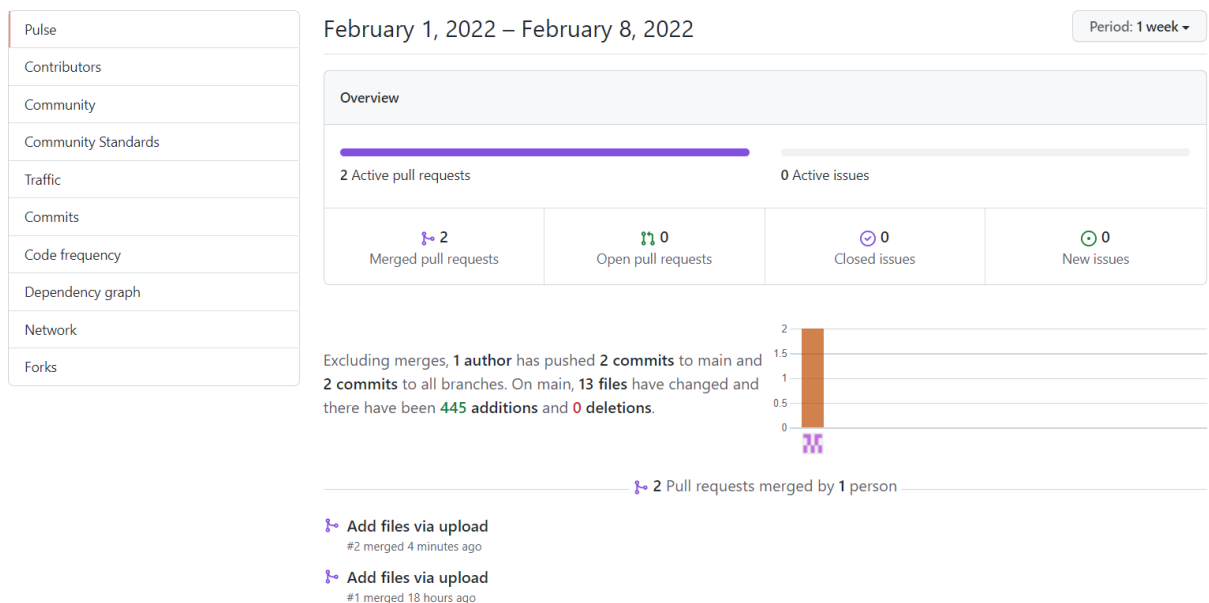
I used this website as they had a good template for the insertion sort algorithm. I had to modify it significantly to make it accept structs and ensure that it sorted in lexicographical order.

[How to Create a Simple Makefile - Introduction to Makefiles - YouTube](#)

I used the above video for help in the creation of my Makefile.

https://youtu.be/h-HBipu_1P0

I used the above video series for reviewing pointers



5.