

## **What was accomplished**

I successfully completed MEntry.c which is to take in and store the different values in the MEntry struct. I was also able to accomplish dynamic hash table and complete MList.c

## **Difficulties**

During the assignment i faced several problems. It was mostly due to the fact that this was the first time i was doing C programming. I had no prior experience or knowledge before this in polytechnic so it was challenging. I understood after doing extensive research that hash table was a very important part of C programming and was widely used. Initially i was not able to understand and grasp the concept of hash table. However, after consulting several friends and online materials i was more clear on how this hash table worked.

Another difficulty i faced was the memory leakage. It was sometime i had not handled in other programming languages as the other higher level languages had no need to do manual allocation of memory. This is still something that i have not been able to fully solve.

## **Incompleted**

Currently the only thing that i was unable to fix was the memory leakage. I was unable to make the leakage drop from a very high amount to around 19k right now with M.txt as the input file.

## **What could have been done**

What could have been done in my opinion was to further understand how the memory allocation works in C programming. The bridging program was an introduction to C programming and the topic of memory allocation was touched but in a very basic level. For this assignment i felt that i was very unsure when i would need to free and destroy. So if i could have had done more, it would be to know more on how memory allocation and freeing works.

## **Final Evaluation**

In summary, I learnt a lot from this assignment. It gave me more insights into C programming as well as a very commonly used struct in hash table. Majority of the stuff works but I am only left with memory allocation.