Reflecting over the group assignment, I have learnt about a few database programming techniques aside from simple querying using SQL, such as utilizing stored procedures, structuring tables, and optimizing query processes. Specifically, the most rewarding knowledge I have gained was creating stored procedures, as I could group logical SQL operations together and execute them on command to fulfill business cases. I have also gained the insight of analyzing query execution plans and find potential performance bottlenecks to eliminate unnecessary or deprecated computational use that are cost ineffective.

I made small achievements as well over the course of the assignment, such as successfully managing to find the correct command syntaxes through online means while writing normal queries and stored procedures, even though I am not fluent in the SQL language. I have also managed to logically infer relationships between the relations for the purpose of understanding and completing the assignment questions. There were less database design or implementation problems as a logical, relevant database structure have been systematically planned prior to any queries and operations, which we were able to achieve with the guidance and advice of the lecturer.

Teamwork was also an important contributor to the successful completion of the assignment. In terms of team contribution, I have made significant impact to the group as I was the main coordinator who managed work distributions and motivated other group members to progress on their work steadily. I actively communicated with my group members about assignment requirements and returned feedback whenever possible in order to ensure that each member put in the required effort and quality into their assigned tasks. Aside from delegating tasks for other group members, I have also done my part in the assignment questions spectacularly by validating my code out for system and logical errors and ensuring that the produced results are correct and as expected.

My group members have been a huge part in making the assignment bearable and easy. For example, one of my group members, Otheya, also actively communicated with other group members about assignment requirements to keep themselves on the right track. He was assertive and initiated the process of task choosing for the assignment. He asked for feedback once he completes any of his part in the assignment to ensure that his work is valid and does not contain errors. He did his work responsibly and was able to complete them fully within a set deadline even though he has multiple other subject assignments to attend to, which shows his level of discipline.

Much like Otheya, Keat Loon was also an asset to the group assignment. He displayed the same level of responsibility as Otheya and is also well aware of the assignment requirements. His awareness is commendable as he is able to correctly identify and rectify some illogical assignment work approaches that we planned to follow. Besides, he is capable of working on his tasks independently with little intervention once he briefly understands their requirements at the start.

All in all, the group I am in is all-rounded and balanced, which makes us equipped to complete the assignment within the lecturer’s expectations with little obstacles.