5-2 Milestone Four

**A. Briefly describe the artifact. What is it? When was it created?**

This artifact is from DAD 220 Introduction to SQL. It is a small script that inserts a stranger’s information into a table, queries that new information to get its IDs, and then adds those IDs as keys into a new table. It then repeats the process with my own information, as well as adding a new field to my information.

**B. Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in software development? How was the artifact improved?**

I thought this was a good inclusion to my ePortfolio thanks to its initial simplicity. Because the initial course was introductory, it used plain old SQL. By recreating the script in MongoDB, I was able to take the concepts and principles I learned and apply them to a technology I am much likelier to use in my professional life.

**C. Did you meet the course objectives you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?**

I would say I even surpassed my original objectives. Thanks to these changes, the script is now much more readable and adaptable if future developers are looking at it.

**D. Reflect on the process of enhancing and/or modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?**

This was definitely the trickiest artifact to enhance. Even picking the initial artifact was difficult, as my choices of coursework were much more limited. Furthermore, I had no prior experience to MongoDB, so I had to do a lot of learning on the fly just to even convert my initial SQL commands to their MongoDB variants. Not to mention a lot of the boilerplate and setup necessary to install and run a local MongoDB instance on your local machine.