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IT FDN 130 A

The Final Assignment

Lessons Learned and Progress Made

# Intro

During the course of 9 weeks period, the Foundation of Databases & SQL Programing opened opportunities that until this time it remained unexplored to me. This document addresses a high-level overview of my experience with this course, examining the motives for taking the course, challenges, accomplishments, and opportunities that the course may offer to further enhance my career.

# Background

My initial motivation to sign up for this course was primarily to satisfy a prerequisite for the Data Analytics-Techniques for Decision Making certificate which I plan to enroll in the Fall of 2021. Although, as the course developed it generated my interest in continuing to learn programing and potentially exploring other basic programing concepts.

# Challenges

Among the challenges faced during this course I found that my inexperience using SQL or any kind of programing tool would be my primary challenge as my current position and my background is business and has not involved any in-depth informatics or writing SQL queries to this day. Although, my job requires me to interact with the technology team tasked with writing the SQL queries. Another, challenge to me was the On-Line learning which is a concept that was only partially available to me during my college years and I was unsure if this format would be the best fit for me and if I would develop the adequate discipline to successfully complete the distance, self-paced learning. To overcome these challenges, I chose to:

* Start my assignments early because I knew that it could take me longer to complete the assignments as compared to someone who has had at least some exposure to SQL.
* Follow the guidelines, and steps very closely.
* Set up a schedule and follow through with it.
* Repetition and consistency throughout the course.

# Accomplishments

I believe that the biggest accomplishment achieved during this course is the exposure to SQL basic functionalities and gaining the skillset to take on projects requiring my ability to write SQL queries. Just 9 weeks ago my SQL knowledge was limited, and I now feel confident that I can design a database using tools such as ERD and Metadata as well as:

* Creating databases and data tables
* Adding constraints
* Table joins and subqueries
* Creating table views
* Creating functions
* Creating stored procedures
* Adding, selecting, and processing data

Plus, I now have the tools and resources to help expand my SQL knowledge and overcome challenges as they are presented through future projects.

# Opportunities

After familiarizing myself with the capabilities offered by SQL, I will give serious consideration to further expand my career opportunities and enhance my programing knowledge by enrolling in Foundations of Programing (Python) which I believe it is a well-fitting skillset to add.

# Summary

To Recap, the 9 weeks course, Foundation of Databases & SQL Programing opened new opportunities and has enabled me to continue expanding my skillsets and further enhance my career. As the course progressed so did my interest in programing as well and even though there were challenges along the way such as my inexperience using SQL and course format I was determined to design a plan for success which steered me in the direction of accomplishment as now I feel confident that I can take on projects requiring my ability to write SQL queries where I can apply the concepts, practical uses, tools and resources learned throughout this course. In conclusion, I believe that the opportunities offered by having the knowledge of SQL programing and immense and can only open doors.