FinTech Unit 7 SQL Homework Grading Rubric				
Criteria	**Ratings**			
Data Modeling • Database model defined • PostgreSQL database created using defined model	**20 Points Mastery** • Completed 2 out of 2 requirements • Code runs without error and produces the assigned results • Code accounts for all possible scenario • Code is free of bugs	**19 > 15 Points Approaching Mastery** • Completed 1 out of 2 of requirements • Code runs without error • Code produces results as expected 80% of the time	**15 > 13 Points Progressing** • Completed fewer than 1 out of 2 requirements • Code runs without error • Code produces results, but not necessarily the correct results	**13 > 0 Emerging** • Completed 0 out of 2 requirements • No submission • Code runs with error
Data Engineering • Database schema for each table and relationships. • Data types specified • Primary keys • Foreign Keys	**20 Points Mastery** • Completed 4 out of 4 requirements • Code runs without error and produces the assigned results • Code accounts for all possible scenario • Code is free of bugs	**19 > 15 Points Approaching Mastery** • Completed 3 out of 4 of requirements • Code runs without error • Code produces results as expected 80% of the time	**15 > 13 Points Progressing** • Completed 2 out of 4 requirements • Code runs without error • Code produces results, but not necessarily the correct results	**13 > 0 Emerging** • Completed 1 or none out of the 4 requirements • No submission • Code runs with error
Data Analysis • Fraudulent transactions identified. • SQL and Pandas DataFrames utilized for report within Jupyter Notebook. • Visual data analysis of fraudulent transactions using Pandas, Plotly Express, hvPlot, and SQLAlchemy to create the visualizations.	**30 Points Mastery** • Completed 3 out of 3 requirements • Code runs without error and produces the assigned results • Code accounts for all possible scenario • Code is free of bugs	**29 > 25 Points Approaching Mastery** • Completed 2 out of 3 of requirements • Code runs without error • Code produces results as expected 80% of the time	**25 > 20 Points Progressing** • Completed 1 out of 3 requirements • Code runs without error • Code produces results, but not necessarily the correct results	**20 > 0 Emerging** • Completed 0 out of the 3 requirements • No submission • Code runs with error
Coding Conventions/Formatting • Appropriate header, name, short description at top of the notebook • Imports are at the top of the file, just after any headers or subheads. • Files read in from relative file path • Functions and variable names are descriptive, lowercase, with words separated by underscores • Clean code, no repetition, maintainable and highly reusable code. • Appropriate code wrapping and cell sizes • Appropriate subheads as needed	**10 Points Mastery**	**8 Points - Approaching Mastery**	**5 Points - Progressing**	**0 Points - Emerging**
Deployment/Submission • Files submitted in personal repo • Appropriate directory structure with correct files needed to run scripts • Appropriate commit messages • Appropriate README	**10 Points Mastery**	**8 Points - Approaching Mastery**	**5 Points - Progressing**	**0 Points - Emerging**
Documentation/Comments • Code is well commented with concise, relevant comments	**10 Points Mastery**	**8 Points - Approaching Mastery**	**5 Points - Progressing**	**0 Points - Emerging**