	Mastery	Approaching Mastery	Progressing	Emerging	Incomplete
Credit for Weekly Lessons: **Use an ERD to understand relationships between SQL tables** **(10 points)**	The Entity Relationship Diagram includes all correct tables and all of the following: ✓ Each table has the correct column names ✓ Each table has the correct corresponding data types ✓ Primary Keys set for each table ✓ Tables are correctly related using Foreign Keys	The Entity Relationship Diagram includes all correct tables and at least 3 of the following: ✓ Each table has the correct column names ✓ Each table has the correct corresponding data types ✓ Primary Keys set for each table ✓ Tables are correctly related using Foreign Keys	The Entity Relationship Diagram may omit tables, but includes at least 2 of the following: ✓ Each table has the correct column names ✓ Each table has the correct corresponding data types ✓ Primary Keys set for each table ✓ Tables are correctly related using Foreign Keys	The Entity Relationship Diagram may omit tables, but includes at least 1 of the following: ✓ Each table has the correct column names ✓ Each table has the correct corresponding data types ✓ Primary Keys set for each table ✓ Tables are correctly related using Foreign Keys -OR- ✓ No Entity Relationship Diagram is included.	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
	Note: if you completed the lessons in this module, you will have already completed "Use an ERD to understand relationships between SQL tables" at the Mastery level.				
Delivering Results: Technical Report **(34 points)**	Presents a cohesive written report that includes the following: Summary of the results: ✓ number of individuals retiring ✓ number of individuals available for mentorship role Additionally, the summary should include: ✓ one recommendation for further analysis on this data set ✓ A copy of the ERD created when mapping out the database	Presents a cohesive written report that includes two of the three following items: Summary of the results ✓ number of individuals retiring ✓ number of individuals available for mentorship role Additionally, the summary should include ✓ one recommendation for further analysis on this data set	Presents a developing written report that includes two of the three following items: Summary of the results ✓ number of individuals retiring ✓ number of individuals available for mentorship role Additionally, the summary should include ✓ one recommendation for further analysis on this data set	Presents a limited written report that includes the following items: Summary of the results ✓ number of individuals retiring ✓ number of individuals available for mentorship role	
Technical Analysis Deliverable 1: Number of Retiring Employees by Title	All table schemas run without error and include all of the following: ✓ All required columns ✓ Columns are set to the correct data type ✓ Primary key for each table ✓ Correctly references related tables using Foreign Keys	2-3 table schemas run without error and include at least 4 of the following: ✓ All required columns ✓ Columns are set to the correct data type ✓ Primary key for each table ✓ Correctly references related tables using Foreign Keys	1-2 table schemas run without error and include at least 2 of the following: ✓ All required columns ✓ Columns are set to the correct data type ✓ Primary key for each table ✓ Correctly references related tables using Foreign Keys	1 table schema runs without error and include at least 1 the following: ✓ All required columns ✓ Columns are set to the correct data type ✓ Primary key for each table ✓ Correctly references related tables using Foreign Keys ✓ Correctly uses `NOT NULL`	

(28 points)	✓ Correctly uses `NOT NULL` condition on necessary columns ✓ Accurately defines value length for columns Three new tables should be created to show: ✓ Number of [titles] retiring ✓ Number of employees with each title ✓ A list of current employees born between Jan. 1, 1965 and Dec. 31, 1965 New tables are exported to a CSV file, with no errors	✓ Correctly uses `NOT NULL` condition on necessary columns ✓ Accurately defines value length for columns Two new tables should be created to show a combination of the following: ✓ Number of [titles] retiring ✓ Number of employees with each title ✓ A list of current employees born between Jan. 1, 1965 and Dec. 31, 1965 New tables are exported to a CSV file, may include errors	✓ Correctly uses `NOT NULL` condition on necessary columns ✓ Accurately defines value length for columns ✓ New tables are exported to a CSV file, may include errors. One new table should be created to show one of the following: ✓ Number of [titles] retiring ✓ Number of employees with each title ✓ A list of current employees born between Jan. 1, 1965 and Dec. 31, 1965 New table is exported to a CSV file, may include errors	condition on necessary columns ✓ Accurately defines value length for columns -OR- ✓ No table schemas created or the provided schemas do not run ✓ New tables are not exported to a CSV file	
Technical Analysis Deliverable 2: Mentorship Eligibility **(28 points)**	Queries provided for all questions and: ✓ All queries provide the expected results ✓ All queries run without error New table should be created to show: ✓ A list of current employees born between Jan. 1, 1965 and Dec. 31, 1965 New table is exported to a CSV file, with no errors	Queries provided for all questions but: ✓ Queries provide the expected results, with non-efficient code -OR- ✓ 1-2 queries do not provide the expected result (including errors) -OR- ✓ A new table is created to show a list of current employees (including errors) New table is exported to a CSV file, with one or two minor errors	✓ Queries not provided for all of the questions -AND- ✓ 3 queries do not provide the expected result (including errors) -OR- ✓ A new table schema is created, but does not run New table is exported to a CSV file, with significant errors	✓ Queries not provided for all of the questions -AND- ✓ 4 or more do not provide the expected result (including errors) -OR- ✓ No queries provided No tables created, no CSV files	