Lab 12: Functions

Purpose:

Create a function and execute it.

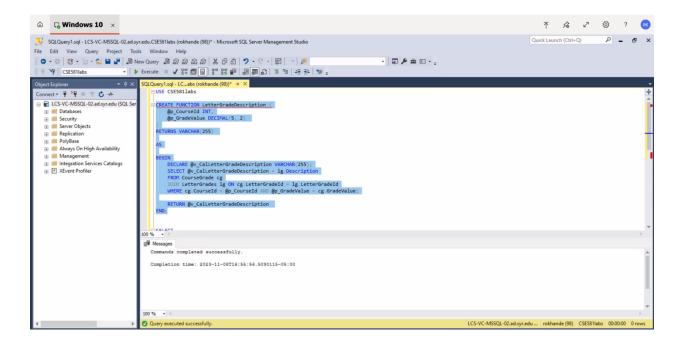
Deliverables:

Multiple screenshots, as described through the lab. Scripts that you used to carry out the actions.

Steps:

 Create a function that will accept Courseld and Numerical Grade and will calculate the letter grade. The function will return the appropriate Letter Grade Description based on the input and the CourseGrade & LetterGrades table¹ you created in Lab 7 & 8. Provide a screenshot of the function being created. Please do not hardcode values into your function. Use the table to make the decisions.

¹ Please consider how grades are calculated. For example, if 90-92.9 is an A-, and you get a 92, then you get an A-.



2. Take a **screenshot** of the table containing Letter Grade Description, Course Id and Numerical grade, so that way both you and I can check that the function works properly.

SELECT

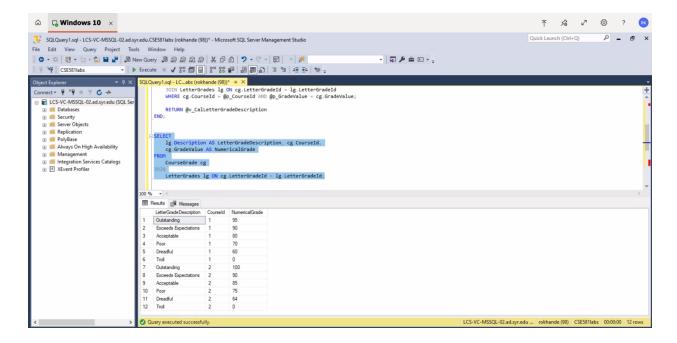
lg.Description AS LetterGradeDescription, cg.Courseld, cg.GradeValue AS NumericalGrade

FROM

CourseGrade cg

JOIN

LetterGrades lg ON cg.LetterGradeId = lg.LetterGradeId;



- 3. Run the function for the Courseld = 1, NumericalGrade = 95. Provide a **screenshot** of execution, showing the result.
- 4. Run the function for the Courseld = 2, NumericalGrade = 95. Provide a **screenshot** of execution, showing the result.
- 5. Run the function for the Courseld = 2, NumericalGrade = 85. Provide a **screenshot** of execution, showing the result.

SELECT rokhande.LetterGradeDescription(1, 95) AS Result; SELECT rokhande.LetterGradeDescription(2, 95) AS Result; SELECT rokhande.LetterGradeDescription(2, 85) AS Result;

All three results shown in one screenshot with the queries :

