Supplemental Resources:

* Refer to the supplemental SQL videos at <http://bit.ly/CSCI331SupplementalSqlVideos> to assist in your learning process.
* Begin reading materials for the next class.

Readings and Examples:

* Review Chapter 3, "Join Queries". This chapter builds on the information from the previous chapter.
* Participate in the group homework assignment; team members should cross-train each other. The team's overall strength is determined by its weakest member.
* Complete the examples provided for both chapters at <http://bit.ly/CSCI331-Homework>.

Query Assignments:

* **Split all of the attached chapter 3 assignment homework queries amongst the group members and document it in the to-do spreadsheet**. Each member will showcase all of the queries in a SQL notebook.ipynb. The individuals will choose their top 5 queries to be discussed as to why they thought that these queries were special. The video should capture all of the queries
* **Explain the details of the proposition, table, columns and the predicate in the Markdown cell of the SQL Notebook.**
* Construct and submit queries.
* Assignments should be submitted in the following format of a SQL Notebook: "Individual\_GroupNumber\_HW#\_MemberName.IPYNB".
* Use the TSQLV4 database to test your queries.
* In the code cell of the SQL Notebook show both queries. Example below:

use TSQLV4

Query to be converted

use Northwinds2022TSQLV#

Converted Query

Database Adjustments:

* Implement your queries in the Northwinds2022TSQLV7 database.
* Modify your queries to work with the tables and columns required for assignment submission.

Delegated Assignments is the responsibility of the Project Leader; detailed management of each of the team members:

* Document planning meetings with documented attendance in word documents
* --
* At the start of every homework or project, the agreement of meeting their tasks on schedule.
* Create and complete individual detailed tasks as outlined in the "Class Time - Group Number – To-do list for Homework Number.xlsx" document.
* Change the term PHASE to Task
* Create detailed tasks and tracking
* Any slippage will create a revision task that starts on the end date of the missed task
* The MP4 should be completed the day before it is

Problem Proposition:

* Formulate a proposition that clearly defines the problem being addressed against the Northwinds database.  
  Note: Using TSQLV4 for this task will be marked incorrect as it contravenes instructions.

**Query Modifications:**

* **Adjust the SQL queries from the homework assignment to function within the Northwinds database using PascalCase for all objects.**

Presentation:

* Show your usage of the to-do list and Gantt chart
* Which of the NACE competencies did you leverage in the creation of the MP4.
* Did you use ChatGPT to enhance the proposition creation or code documentation
* Record the presentation walkthrough (**Use SQL Notebooks exclusively from Azure Data Studio**)**, not cut and paste into PowerPoint.**
* Consolidate the individual contributions from your group members into an MP4 file. The presentation should articulate your strategy in a manner easily understandable to non-technical end-users.
* The homework leader should be the only one to submit the work in the format of a VHDX file of all of the group members work. It should be submitted as a link in your cloud in blackboard.

Final Submission:

* Record the presentation walkthrough.
* Save and submit the recording in MP4 format.

Sample skills acquired through these NACE CAREER READINESS COMPETENCIES for this group assignment:

* + Equity & Inclusion: Fostered awareness and sensitivity towards diverse perspectives, promoting inclusivity and equality in professional settings.
  + Career & Self-Development: Showcased the ability to set goals, identify personal strengths and weaknesses, and craft effective career development plans.
  + Communication: Enhanced verbal and written communication skills to facilitate clear, concise interactions.
  + Critical Thinking: Fostered analytical and problem-solving skills, approaching challenges with a systematic and innovative mindset.
  + Professionalism: Cultivated a professional demeanor by adhering to ethical standards and demonstrating accountability and reliability in the workplace.
  + Technology: Gained proficiency in relevant technologies to improve efficiency and productivity in job-related tasks.
  + Leadership: Developed leadership skills, including motivating and guiding team members, fostering collaboration, and inspiring positive change.
  + Teamwork: Learned to collaborate and communicate effectively in a team, appreciating diverse contributions and working towards common goals.

**Recording Overview:**

* Record SQL Notebooks exclusively from Azure Data Studio
* Paste video in powerpoint slides

Video 1/ slide 1:

* Talk about your to do list and Gantt chart
* Explain what's special about your top 2 exercises
* Show output

Video 2/ slide 2:

* SQL Notebooks exclusively from Azure Data Studio
* Explain what's special about your top 3 queries
* Show output
* Explain every cell in notebook
* Show output

Video 3/ slide 3:

* Chatgpt :Did you use ChatGPT to enhance the proposition creation or code documentation?
* NACE: skills acquired