Midterm Test: Fall 2018 October 18<sup>th</sup>, 2018

# **DBS301 - Midterm Test**

### Time Allowed: 1 hour and 35 minutes

This **CLOSED BOOK** test is to be completed using SQL Developer on school computers. A single .sql file is to be submitted to blackboard BEFORE the test time ends.

## **Getting Started**

This test uses the SportLeagues database. If you have not already run the SportLeagues creation script, please download it and run it within your account.

NAME: STUDENT ID:	
Mark	/ 30

Create a new Worksheet in SQL Developer. Save the file as Test1\_ID\_LASTNAME.sql

Your submission MUST include a comment header.

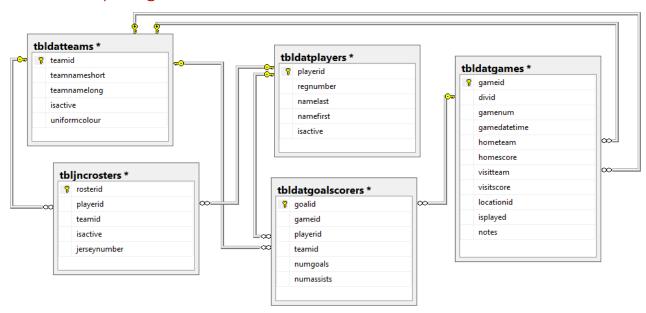
#### Tasks

- 1. (5 Marks) Create a SELECT statement that returns all players on a single team (teamID entered as parameter) and whose first name starts with "C". Allow for case sensitivity.
  - include the firstname and lastname of the players returned in a single column.
  - It is okay to use the teamID in the criteria
  - hint: remember to use the "&" symbol to create a user prompt. example: &DataEntered
- 2. (5 Marks) Create a SELECT statement that outputs a game schedule for team called the Sonics (222). Provide the gameID, game #, game date, both team short names, locationID and notes
  - Sort the games by date with the earliest games first.
  - If the notes are Null, show a dash "-"
- 3. (5 Marks) Show the results of all games played within the last 7 days (from today). Include the gameID, gameNum, both the teamIDs (names not necessary), game date and the scores for both teams.
  - sort the list by gamedate with the most recent first
  - the date should be formatted like "Saturday, June 17th, 2017",
  - **BONUS**: Include an extra column that indicates whether the home or away team won the match (don't forget about ties) up to 2 bonus marks (max still 100%).

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- 4. (5 Marks) Using Sub-Queries (Not Joins): Display the Player Roster for Team Banat (220)
  - Display the Active status of the player.
  - sort alphabetically by last name and then first name
- 5. (5 Marks) Display a list of players on teams, ensure to include any players not currently registered on any team and any team that has no players registered. Show team short name, player first and last names, player registration number, and their roster active status.
  - Sort the list by team name first, then by first name, then last name.
- 6. (5 Marks) It's award time and we need to find the top goal scorers in the league. Using aggregate functions, display a table that shows the top goal scorers, total goals they scored through the season and which team they play for.
  - Show the players names as "FirstName LastName" as a single column
  - Sort the list by total goals with the highest being first.
  - only show Players whom scored 10 or more total goals.
  - Use appropriate aliases

## Relationship Diagram



\* Remember the tbldatgoalscorers table is NOT the junction table.