Lab 3: SQL Review

DATABASE TABLES:

Campus (CampusID, CampusName, Street, City, State, Zip, Phone, CampusDiscount)

Position (PositionID, Position, YearlyMembershipFee)

Members (MemberID, LastName, FirstName, CampusAddress, CampusPhone, CampusID, PositionID, ContractDuration)

FK CampusID --> Campus(CampusID)
PositionID --> Position(PositionID)

Prices (FoodItemTypeID, MealType, MealPrice)

STRUCTURE NOTES:

1. Use the proper naming convention for your constraints:
   Example: Constraint TableName_FieldName_ConstraintID
   (Campus_CampusID_PK)
2. Add Your Foreign Keys for each table with your Constraints listed.
3. Make the Data Types for all the Primary Keys and their corresponding Foreign Keys Varchar2(5).
4. Make the Data Type for CampusDiscount Decimal, 2 digits maximum with 2 digits to the right of the decimal place.
5. Make the Data Type for MealPrice Decimal, 4 digits maximum with 2 digits to the right of the decimal place.

NOTE: I want the SQL Statements for the Following queries to be submitted (as snapshots) below each question.

1. List the first names of members whose last names begins with 'Br'
2. List the first and last names of members whose Campus address contains the word 'Hall' in it.
3. List the first name, last name and the campus name of all members
4. List the names of those meals whose cost is between $2 and $10
5. What is the average Yearly membership fee?
6. List the first name, last name, campus name and the position name
7. How many members have 10 month contract and how many have 12 month contract. Use the GROUP BY operator to arrive at your answer.
8. INSERT a new member row with the following details:
   a. Last name: Satyanarayana
   b. First Name: Ashwin
   c. Campus Address: "300 Jay St"
   d. Campus phone: "718-111-222"
   e. Campus ID: 3

    f. PositionID: 3
    g. ContractDuration: 12
9. Change the duration to 10 months instead of 12
10. Change the last name to “S” instead of “Satyanarayana”
11. Add a new column to the members table called “Sex” of type CHAR(1)
12. Set all the values for the Sex column to “M”