**Lessons 5**

**Online Activity: CarBuyers Table:   
Screen Shots should include both SQL and ALL Available Results**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Think about features/attributes of a person buying a car. I would like you to brainstorm potential attributes a car dealership wants to know about a CarBuyer.
2. Once you feel that you have brainstormed enough attribute data you believe is tracked by a car dealer about a Car Buyer, use the list of data types and see if you can figure out the data type for each property.
   1. Full Name - This would likely be a string (VARCHAR or TEXT) as it includes alphabetical characters and possibly some special characters (like hyphens or apostrophes).
   2. Age or Date of Birth - Age could be stored as an integer (INT). Date of Birth would be a date (DATE).
   3. Gender - This could be a string (VARCHAR) limited to a specific set of values if there are predefined options, or possibly a character (CHAR) if using a single letter code.
   4. Address - This would be a string (VARCHAR or TEXT) as it includes letters, numbers, and special characters.
   5. Email Address - A string (VARCHAR) would be used, as email addresses consist of characters and special symbols.
   6. Phone Number - This could be a string (VARCHAR) rather than a numeric type to preserve any leading zeros and formatting.
   7. Occupation - A string (VARCHAR) to include various job titles.
   8. Annual Income - A decimal (DECIMAL) or float (FLOAT), to allow for exact values, especially if including cents.
   9. Credit Score - An integer (INT) as credit scores are whole numbers.
   10. Preferred Car Type (Sedan, SUV, etc.) - A string (VARCHAR), as these are categorical descriptions.
   11. Current Car Owned - A string (VARCHAR) to include the make and model.
   12. Budget for New Car - A decimal (DECIMAL) or float (FLOAT) to account for exact figures.
   13. How They Heard About the Dealership (online, referral, etc.) - A string (VARCHAR) as this would be a descriptive field.

1. Confirm your ideas with friends within the Week 4 Discussion Board and either make adjustments that you feel are important or share a questions with me in the forums, so I can elaborate.