

- ~~11. Copy and paste the CostStatistics query to create a new query named **CostStatisticsByCity**.~~
- ~~12. Modify the CostStatisticsByCity query to display the same statistics grouped by City, with City appearing as the first field. (Hint: Add the Student table to the query.) Run the query, and then save and close it.~~
- ~~13. Compact and repair the Programming database, and then close it.~~

### Case Problem 3

Data File needed for this Case Problem: **Center.accdb** (cont. from Module 2)

**Diane's Community Center** Diane Coleman needs to modify some records in the Center database, and then she wants to find specific information about the patrons, donations, and auction items for her not-for-profit community center. Diane asks you to help her update the database and create queries to find the information she needs. Complete the following:

1. Open the **Center** database you created and worked with in previous modules, and then click the Enable Content button next to the security warning, if necessary.
2. In the **Patron** table, delete the record with PatronID 3024. (Hint: Delete the related records in the Donation subdatasheet first.) Close the Patron table without saving changes to the table layout.
3. Create a query based on the Auction and Donation tables that includes the AuctionID, DonationID, DonationDate, and Description fields, in that order. Save the query as **AuctionItemsByDate**, and then run it.
4. Modify the AuctionItemsByDate query design so that it sorts records in ascending order first by DonationDate and then by Description. Save and run the query.
5. In the AuctionItemsByDate query datasheet, find the record for the auction item with Auction ID 250, and then change the description for this item to **New scooter**. Close the query.
6. Create a query that displays the PatronID, FirstName, and LastName fields from the Patron table, and the Description and DonationValue fields from the Donation table for all donations over \$150. Sort the query in ascending order by donation value. Save the query as **LargeDonations**, run the query, and then close it.
7. Copy and paste the LargeDonations query to create a new query named **LargeCashDonations**.
- ➊ **Explore** 8. Modify the LargeCashDonations query to display only those records with donations valued at more than \$150 in cash. Do not include the Description field values in the query results. Use the query datasheet to calculate the average cash donation. Save and close the query.
9. Create a query that displays the PatronID, FirstName, and LastName fields from the Patron table, and the AuctionID, AuctionDate, and MinPrice fields from the Auction table. Specify that the results show records for only those items with a minimum price greater than \$150. Save the query as **ExpensiveAuctionItems**, and then run the query.
10. Filter the results of the ExpensiveAuctionItems query datasheet to display records with an auction date of 10/14/2017 only.
- ➋ **Explore** 11. Format the datasheet of the ExpensiveAuctionItems query so that it does not display gridlines, uses an alternate row Standard Color of Maroon 2, and displays a font size of 12. (Hint: Use the Gridlines button in the Text Formatting group on the Home tab to select the appropriate gridlines option.) Resize the columns to display the complete field names and values, if necessary. Save and close the query.