Access Lab Final
(100 Points Possible)

The following files will be used for the final:

Fitness.accdb
Products.xlsx
Weights.bmp

These Files can be found within D2L on the Content Page.

1. Open the **Fitness.accdb** database file.

2. Create the following **Program** table: - 10 points possible

Field Name	Data Type	Description	Field Size	Caption	Other Properties
ProgramID	Number	Primary Key		Program ID	Decimals = 0
Description	Text	Full programs provide access to all facilities; limited programs restrict access to certain facilities and activities.	35		
MonthlyFee	Number			Monthly Fee	Dec = 2
PhysicalRequired	Yes/no	Member must have a complete physical before joining program		Physical Required	

3. Add the following data to the **Program** table: - 5 points possible

ProgramID	Description	MonthlyFee	PhysicalRequired
201	Junior Full (ages 13-17)	$30.00	Yes
202	Junior Limited (ages 13-17)	$20.00	Yes
203	Young Adult Full (ages 18-25)	$40.00	No
204	Young Adult Limited (ages 18-25)	$25.00	No

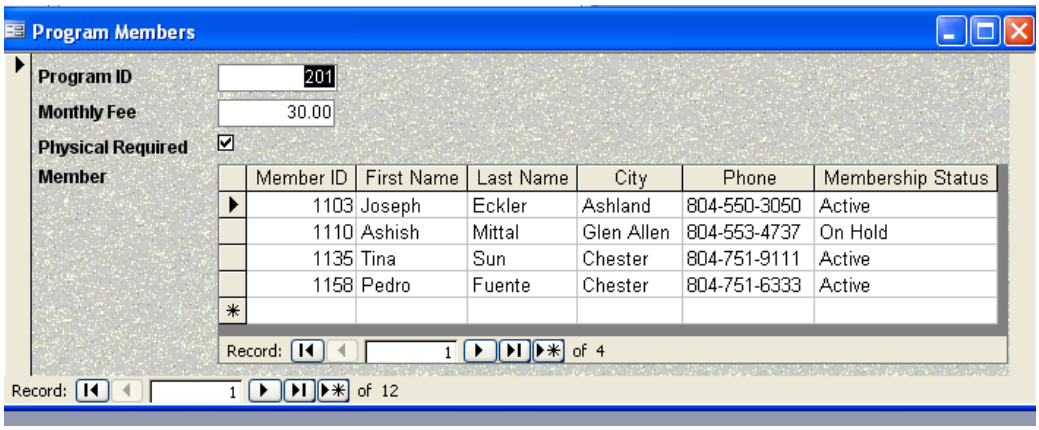
4. Import the additional records from the **Products.xlsx** Access file into a table called **ztblProductImport** and append them to the Program table using an append query. Save the query as **zqryProgramsAppend** – 10 points

5. Define a one-to-many relationship between the Program table and the related member table. Enforce referential integrity on the relationship – cascade delete records! – 5 points possible

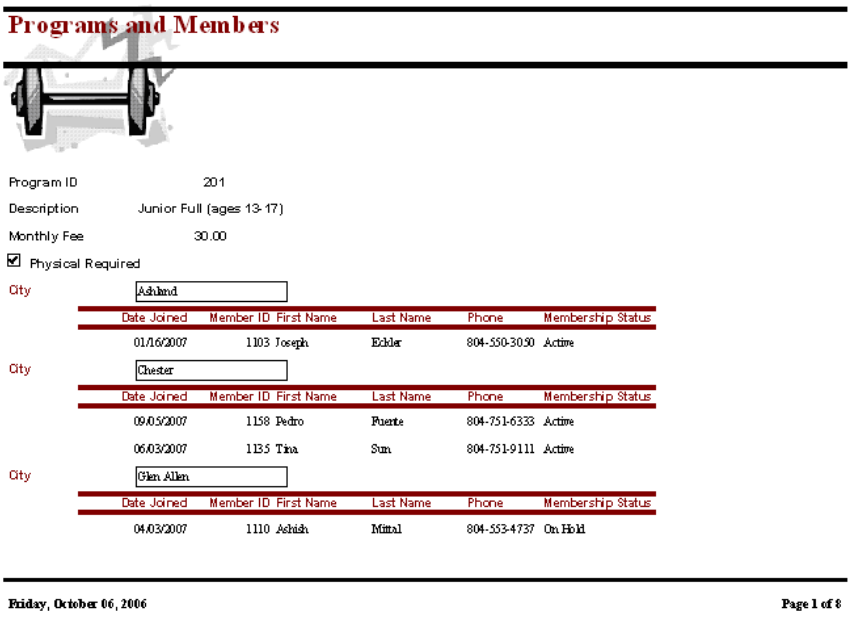
6. Create the following queries: - 25 points Possible

    a. Create a query that displays the following fields: **FirstName, LastName, DateJoined, MonthlyFee and PhysicalRequired,** in that order. Sort in descending order based on the **DateJoined** field values. Select only those records where a physical is required. Save the query as **PhysicalsNeeded.**
    b. For all members who joined the center between 6/1/2007 and 6/30/2007, display the **MemberID FirstName, LastName, DateJoined, Description and MonthlyFee.** Save the query as **JuneMembers**
    c. Using the previous JuneMembers query and add a field that will calculate the year fees for each member. Remove the June DateJoined condition. Save the query as **MemberYearlyFees.**
    d. Create and save the query to display the **MaximumFees, MinimumFees and AverageFee**. Save the query as **FeeStatistics.**
    e. Create and save a query that displays the FeeStatistics query data by City. Save the query as **FeeStatisticsByCity.**

7. Create the following form and save it as **ProgramMembers** – 15 Points



8. Create the following report and save it as **ProgramsAndMembers** – 15 points
   Select all fields from the **Program** table and then select the following fields from the **Member** table: **MemberId, FirstName, LastName, City, Phone, DateJoined, and MembershipStatus**. Group by program and city. Landscape orientation. Insert title and graphic on report so it appears on each page.



Programs and Members

Program ID 201
Description Junior Full (ages 13-17)
Monthly Fee 30.00
☑ Physical Required

City Ashland

Date Joined	Member ID	First Name	Last Name	Phone	Membership Status
01/16/2007	1103	Joseph	Eckler	804-550-3050	Active

City Chester

Date Joined	Member ID	First Name	Last Name	Phone	Membership Status
09/05/2007	1158	Pedro	Fuente	804-751-6333	Active
06/03/2007	1135	Tina	Sun	804-751-9111	Active

City Glen Allen

Date Joined	Member ID	First Name	Last Name	Phone	Membership Status
04/03/2007	1110	Ashish	Mittal	804-553-4737	On Hold

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9. Create a switchboard that will allow the user to navigate between the various objects within the database (forms, queries and reports). Make sure to allow for the user to return to the main menu and that the database development window is not available. (15 points possible)