

10. Define a one-to-many relationship between the primary Option table and the related Member table. Resize the Member table field list so that all field names are visible. Select the referential integrity option and the cascade updates option for this relationship.
11. Save the changes to the Relationships window and close it, compact and repair the Beauty database, and then close the database.

## Case Problem 2

**Data Files needed for this Case Problem:** Programming.accdb (cont. from Module 1), Client.accdb, Students.txt, and Agreements.xlsx

**Programming Pros** Brent Hovis plans to use the Programming database to maintain information about the students, tutors, and contracts for his tutoring services company. Brent asks you to help him build the database by updating one table and creating two new tables in the database. Complete the following:

1. Open the **Programming** database you created in the previous module, open the **Tutor** table in Design view, and then set the field properties as shown in Figure 2-50.

Figure 2-50

Field properties for the Tutor table

Field Name	Data Type	Description	Field Size	Other
TutorID	Short Text	Primary key	4	Caption = Tutor ID
FirstName	Short Text		20	Caption = First Name
LastName	Short Text		25	Caption = Last Name
Major	Short Text		25	
YearInSchool	Short Text		12	Caption = Year In School
School	Short Text		30	
HireDate	Date/Time			Format = Short Date Caption = Hire Date

2. Add a new field as the last field in the Tutor table with the field name **Groups**, the **Yes/No** data type, and the caption **Groups Only**.
3. Save the Tutor table. Click the **Yes** button when a message appears, indicating some data might be lost.
4. In the table datasheet, specify that the following tutors conduct group tutoring sessions only: Carey Billings, Fredrik Karlsson, Ellen Desoto, and Donald Gallager. Close the Tutor table.
5. Brent created a table named Student in the Client database that is located in the Access1 > Case2 folder provided with your Data Files. Import the structure of the Student table in the Client database into a new table named Student in the Programming database. Do not save the import steps.
6. Open the **Student** table in Datasheet view, and then add the following two fields to the end of the table: **BirthDate** (Date/Time field) and **Gender** (Short Text field).
7. Use the Phone Quick Start selection in the Data Type gallery to add four fields related to phone numbers between the Zip and BirthDate fields. (*Hint:* Be sure to make the BirthDate field the active field before adding the new fields.)
8. Display the Student table in Design view, delete the BusinessPhone and FaxNumber fields, and then save and close the Student table.
9. Reopen the Student table and modify its design so that it matches the design in Figure 2-51, including the revised field names and data types.