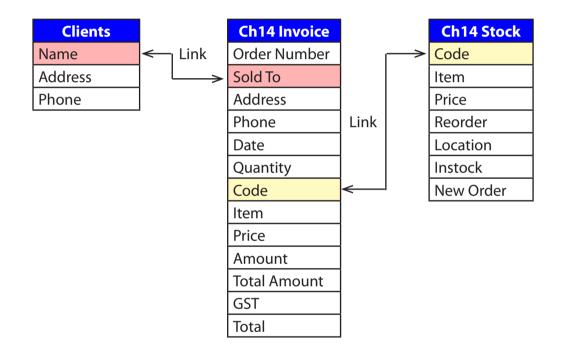# Looking Up Data From Internal Files

It can be very inefficient to maintain two separate databases even though they may be linked. FileMaker Pro allows to have multiple different files within the one database. These files can be linked in the same way as external files.

To create different files within the one database separate TABLES are created. Let's alter the CH14 INVOICE file to include a file of customers (or clients) that can be inserted into the invoice when they purchase products. The structure of the database will be:

Clients
Name
Address
Phone

Link

Ch14 Invoice
Order Number
Sold To
Address
Phone
Date
Quantity
Code
Item
Price
Amount
Total Amount
GST
Total

Link

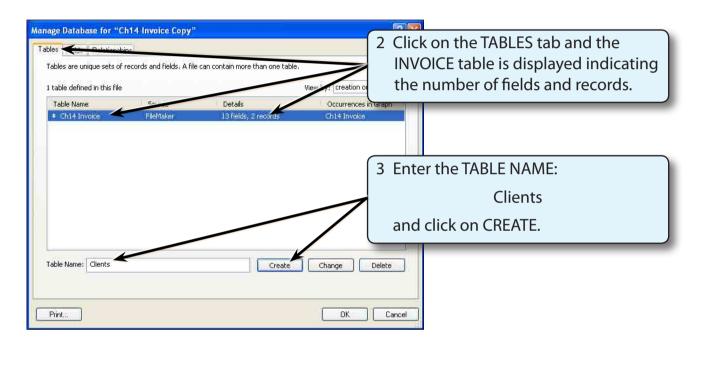| Ch14 Stock |
| --- |
| Code |
| Item |
| Price |
| Reorder |
| Location |
| Instock |
| New Order |

Loading the Invoice File

1   Load FileMaker Pro 10, click on OPEN DATABASE and select BROWSE FILES. Or close the current file and select OPEN from the FILE menu.

2   Open the CH14 INVOICE COPY database from your FMP10 FILES folder.

Adding Another File to the Database

To add a new file to the database a new TABLE is created. Each TABLE in a FileMaker Pro database stores its own data.

A   Creating a New Table

1   Display the FILE menu, highlight MANAGE and select DATABASE.

2 Click on the TABLES tab and the INVOICE table is displayed indicating the number of fields and records.

3 Enter the TABLE NAME:

Clients

and click on CREATE.

4 The CLIENTS table is added with no fields or records. Click on the FIELDS tab.

B   Inserting the Fields

Each table has its own set of fields.

1 Create 3 TEXT fields:

> Name
> Address
> Phone

2 Select OK to return to the BROWSE screen.

C   Adding Data

Any data added to the CLIENTS fields will be stored in the CLIENTS table.

1 Click on the LAYOUT POPUP MENU and select CLIENTS to open the CLIENTS layout.

NOTE: When you created the CLIENTS table the CLIENTS layout was automatically inserted. This layout could be formatted in the normal way.

---

2 Click on the NEW RECORD button (or press CTRL+N or COMMAND+N) to start a new record.

3 Enter the data:

   R. Sinclair   <tab>
   27 Jedder Street, Crows Nest,
   NSW, 2065   <tab>
   (02) 8655 1963

NOTE: **Notice that only 1 RECORD is indicated in the STATUS TOOLBAR at the left of the screen, even though you have 2 RECORDS in the INVOICE file. The current record is stored in the CLIENTS table which is completely separate to the INVOICE table.**

4   Add 2 more records to the CLIENTS layout:

   L. Ryan   42 Riversdale Road, Hawthorn, Vic. 3122   (03) 8788 2901

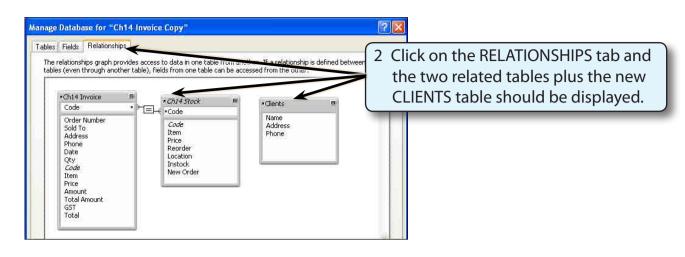   P. Curren   85 Linton Lane, Norlane, Vic. 3214   (03) 5275 6338
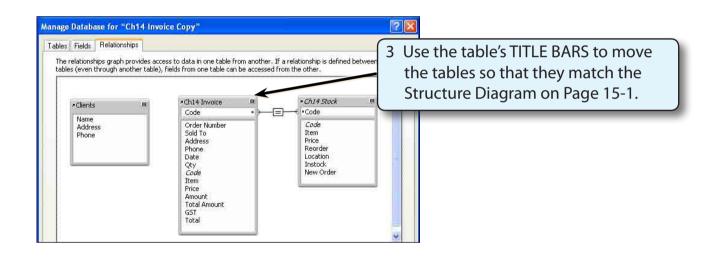
Creating the Relationship

The procedure for creating relationships between internal files is the same as you used for external files in the last chapter.

A   The Relationships Tab

1   Display the FILE menu, highlight MANAGE and select DATABASE.

Manage Database for "Ch14 Invoice Copy"

Tables | Fields | Relationships

The relationships graph provides access to data in one table from another. If a relationship is defined between tables (even through another table), fields from one table can be accessed from the other.

2 Click on the RELATIONSHIPS tab and the two related tables plus the new CLIENTS table should be displayed.

Manage Database for "Ch14 Invoice Copy"

Tables | Fields | Relationships

The relationships graph provides access to data in one table from another. If a relationship is defined between tables (even through another table), fields from one table can be accessed from the other.

3 Use the table's TITLE BARS to move the tables so that they match the Structure Diagram on Page 15-1.

NOTE: The INVOICE table is the main file so it is placed in the centre. The other two tables are support tables so they are placed on either side of the INVOICE table.