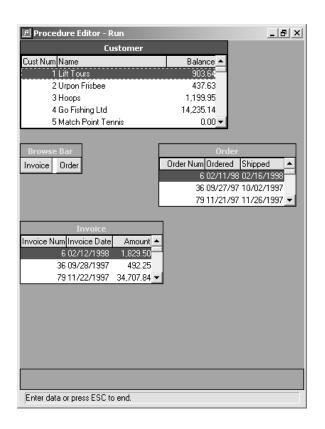
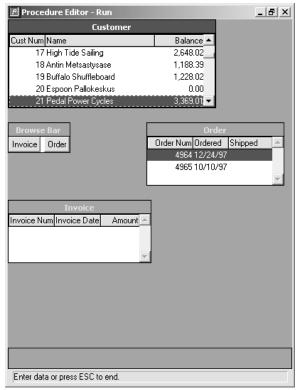
Refreshing Data and Procedure Overloading





Refreshing Data and Procedure Overloading

- The other equally important concept introduced in the V9 4GL is procedure overloading.
- The **ADD-SUPER-PROCEDURE** method for the procedure handle is the main 4GL element for procedure overloading.
- The easiest way for a developer to think of procedure overloading is to view it as a kind of PROPATH for internal procedures and functions.
 - Instead of a series of directories that are listed on a PROPATH, the developer may list a group of persistent procedures that a program may search for a specific *internal procedure* or *function*.
- For example, a persistent procedure may be "added" to the front of a "PROPATH" that searches for *internal procedures* and *functions* for a given procedure with the **ADD-SUPER-PROCEDURE** method. For example:

```
this-procedure:add-super-procedure(pgmXhandle).
```

this-procedure:add-super-procedure(pgmYhandle).

session:add-super-procedure(pgmZhandle).

will add the persistent procedure associated with the *pgmYhandle* variable to the *front* of the "PROPATH" followed by the persistent procedure associated with the *pgmXhandle* variable.

■ When the statement:

RUN abc.

is executed in the current procedure, it will look for *abc* in the following places:

- 1. The current procedure
- 2. pgmYhandle
- 3. pgmXhandle
- 4. pgmZhandle
- 5. External procedure *abc* or *abc.r* on the PROPATH