**Dynamic columns in a static browser**

CURRENT-WINDOW:ROW = 1.

CURRENT-WINDOW:HEIGHT-CHARS = 18.

CURRENT-WINDOW:WIDTH-CHARS = 132.

CURRENT-WINDOW:TITLE = "Dynamic Browse With Dynamic Query".

CURRENT-WINDOW:KEEP-FRAME-Z-ORDER = TRUE.

/\* Test controls \*/

DEFINE BUTTON AddCols LABEL "Add Columns".

DEFINE BUTTON btn-delete LABEL "Delete Columns".

DEFINE BUTTON btn-quit LABEL "&Quit" AUTO-ENDKEY.

DEFINE VARIABLE query-criteria AS CHARACTER

VIEW-AS RADIO-SET VERTICAL RADIO-BUTTONS

"All customers", "FOR EACH customer NO-LOCK",

"USA customers", "FOR EACH customer WHERE customer.country EQ 'USA'

NO-LOCK BY customer.state ",

"Non-USA customers", "FOR EACH customer WHERE customer.country NE 'USA'

NO-LOCK BY customer.country "

SIZE 25 BY 3 TOOLTIP "Choose the customers you want to see"

INITIAL "FOR EACH customer NO-LOCK" NO-UNDO.

/\* Widget and other Handles \*/

DEFINE QUERY qo FOR customer.

DEFINE BROWSE Browse-Hndl

QUERY qo NO-LOCK

WITH TITLE " " AT COL 1 ROW 1 SIZE 80 BY 8 SEPARATORS.

DEFINE VARIABLE bufFieldHandle AS WIDGET-HANDLE.

/\* add one variable declaration to hold the handle of the column of

choice \*/

DEFINE VARIABLE bchandle AS WIDGET-HANDLE.

DEFINE VARIABLE v-han-work AS WIDGET-HANDLE.

DEFINE VARIABLE v-han-next AS WIDGET-HANDLE.

DEFINE VARIABLE qh AS WIDGET-HANDLE.

DEFINE VARIABLE bh AS WIDGET-HANDLE.

qh = QUERY qo:HANDLE.

bh = BUFFER customer:HANDLE.

/\* Create Query \*/

DEFINE FRAME F1

Browse-Hndl SKIP

AddCols btn-delete btn-quit query-criteria

WITH SIZE 132 BY 18 THREE-D NO-LABELS.

ON CHOOSE OF AddCols DO: /\* LABEL "Add Columns" \*/

ASSIGN query-criteria.

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD(1),1).

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD(2),2).

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("city"),3).

CASE query-criteria:

WHEN "for each customer NO-LOCK" THEN

DO: /\* Color the state column \*/

bchandle =

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("state")).

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("country")).

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("PostalCode")).

Browse-Hndl:TITLE = "All Customers".

END.

WHEN "FOR EACH customer WHERE customer.country EQ 'USA' NO-LOCK BY

customer.state " THEN

DO: /\* Color the PostalCode column \*/

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("state")).

bchandle =

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("PostalCode")).

Browse-Hndl:TITLE = "All US Customers".

END.

WHEN "FOR EACH customer WHERE customer.country NE 'USA' NO-LOCK BY

customer.country " THEN

DO: /\* Color the country column \*/

bchandle =

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("country")).

Browse-Hndl:ADD-LIKE-COLUMN(bh:BUFFER-FIELD("PostalCode")).

Browse-Hndl:TITLE = "All non-US Customers".

END.

END CASE.

bufFieldHandle = bh:BUFFER-FIELD("balance").

Browse-Hndl:ADD-LIKE-COLUMN(bufFieldHandle).

AddCols:SENSITIVE = FALSE.

/\* query-criteria:SENSITIVE = FALSE. \*/

qh:QUERY-PREPARE(query-criteria).

qh:QUERY-OPEN.

Browse-Hndl:NUM-LOCKED-COLUMNS = 2.

btn-delete:SENSITIVE = yes.

END.

/\* add the ROW-DISPLAY trigger that will do the coloring \*/

ON ROW-DISPLAY OF Browse-Hndl DO:

IF VALID-HANDLE(bchandle) THEN DO:

CASE query-criteria:

WHEN "for each customer NO-LOCK" THEN DO:

bchandle:FGCOLOR = 15.

bchandle:BGCOLOR = 2.

END.

WHEN "FOR EACH customer WHERE customer.country EQ 'USA' NO-LOCK

BY customer.state " THEN

bchandle:FONT = 2.

WHEN "FOR EACH customer WHERE customer.country NE 'USA' NO-LOCK

BY customer.country " THEN

bchandle:FORMAT = "X(15)":C25.

END CASE.

END.

END.

ON CHOOSE OF btn-delete /\* LABEL "Delete Columns". \*/

DO:

Browse-Hndl:NUM-LOCKED-COLUMNS = 0.

define variable i as integer no-undo.

REPEAT i = Browse-Hndl:NUM-COLUMNS TO 1 BY -1:

v-han-work = Browse-Hndl:GET-BROWSE-COLUMN(i).

DELETE WIDGET v-han-work.

END.

AddCols:SENSITIVE = YES.

btn-delete:SENSITIVE = NO.

END.

ON CHOOSE OF btn-quit

DO:

APPLY "window-close" TO CURRENT-WINDOW.

END.

ENABLE ALL WITH FRAME F1.

WAIT-FOR CLOSE OF CURRENT-WINDOW.