

## Lucid Database

# Quick Reference Guide

### I. Creating Lucid TEXT file ".CA" and View file ".DO":

1. access Super ROM
2. press F4= Lucid Database
3. type Lucid filename, ENTER
4. type View filename, ENTER
5. type in input screen template, ENTER

### II. Using View:

1. F7(Lucd)- accesses spreadsheet
2. F6(Text)- enters M-100 editor
3. F5(Vwpt)- for next viewpoint
4. F4(Next)- for next screen
5. F3(Prev)- backs up one record
6. F2(Dupe)- duplicates contents of this field in previous record
7. F1(Edit)- same as View but can't edit formulas
8. Goto(>)- moves to typed screen
9. Find(?)- finds character string
10. ENTER, arrow keys, or TAB- move from field to field
11. Control arrows- move to first or last record

### III. Features of a Report Template

1. Line item: prints when record fulfills selection criterion
2. Grand total: prints after last line item & break footer, before last page footer
3. Header item: prints before first record, after each page feed
4. Footer item: prints at foot of each page or form
5. Break header: takes info from line item following subtotal break
6. Break footer: takes info from line item preceding subtotal break

### IV. Mailing List Example

1. access Super, enter Lucid Data
2. create Mail.CA and Mail.DO
3. create input screen template
  - a. line 1: Name and Address Input Screen [# ]
  - b. line 2: Name:[a# ]
  - c. line 3: Cpny:[b# ]
  - d. line 4: Street:[c# ]
  - e. line 5: City:[d# ] St:[e#] Zip:[f# ]
  - f. line 6: Ph W:[g# ] H:[h# ]
  - g. line 7: blank line
4. F8(Exit) back to View, type text, ENTER, ENTER again for next field, F4(Next)- next input screen
5. create a report template
  - a. F7(Lucd), Goto, backspace out A1 and type DR1, ENTER, type LIST.DO, ENTER, F6(Data), F6(Text)

- b. type report template, put two ENTER symbols at end, F8(Exit)
- 6. set up report specifier block by typing "+NOT(NUL(F#))" in DR2
- 7. to print rest cursor on DR1, F6(Data), F2(Rprt)
  - a. mailing labels appear down left of paper
  - b. for multiple labels per line type "3" in DR5, proceed to print

#### V. Easier Mailing List Example

- 1. modify the View file
  - a. F8(Exit), enter MAIL.DO from main menu
  - b. type in new line 7: "Please press F5(Vwpt) to print"
  - c. with cursor at end of file, press CODE-0
  - d. type in second viewpoint: "Printing a Mailing List Place the cursor here—>[DR1 ] and press the PRINT function key."
- 2. to print: enter MAIL.CA, F6(Data), F1(View), ENTER, F5(Vwpt), PRINT

#### VI. Functions and Operators in Lucid

- 1. INT: now deals with numbers larger than 32,768
- 2. NOT: Logical NOT
- 3. &(AND): Logical AND
- 4. |(OR): Logical OR
- 5. relational operators supported by Lucid: =, <, >, =, <=, >=
- 6. TLG, TL1, TL2: field totals
  - a. TLG(A#)- field grand total
  - b. TL1(A#)- field A Break 1 total
  - c. TL2(A#)- field A Break 2 \ total
- 7. LNG, LN1, LN2: selected record counts
  - a. LNG- total number of records selected
  - b. LN1- records selected since last Break 1
  - c. LN2- records selected since last Break 2
- 8. NBP, NB1, NB2: break counts
  - a. NBP- number of page breaks
  - b. NB1- number of Break 1's
  - c. NB2- number of Break 2's

#### VII. Preparing a Report Template:

- 1. selects data from database
- 2. F7(Lucid), Goto, type "DR1", ENTER
- 3. at DR1, type .DO filename, ENTER, F6(Data), F6(Text)
- 4. type field template and background text
- 5. F8(Exit) returns to Lucid

#### VIII. Printing

- 1. from Lucid: a. move cursor to DR1 b. press F6(Data), F2(Rprt)
- 2. from View:
  - a. F8(Exit), enter .DO file
  - b. type second viewpoint
  - c. F8(Exit) returns to Main Menu
  - d. enter .CA file
  - e. F6(Data), F1(View), ENTER, F5(Vwpt), PRINT

#### IX. Sending Form letters to a mailing list

1. using Lucid Data:

a. enter Write ROM, type letter

b. F8(Exit), put cursor on filename, PRINT

c. F3(Outp), backspace out "LPT", type "MRGE", ENTER, Fl(Go)

d. F8(Exit), enter .CA file

e. type .DO filename, ENTER

f. press F7(Lucd)

g. type "1" in DR5, ENTER

h. print at DR1: F6(Data), F2(Rprt)

2. using Write ROM:

a. add second name line to bottom of .DO file, F8(Exit)

b. enter .CA file spreadsheet

c. press PRINT, F3(Outp)

d. change prompt to read "MLIST", ENTER, F8(Exit)

e. change template name in DR1 back to LIST.DO, ENTER

f. F6(Data), F2(Rprt)

g. F8(Exit), enter .DO file

h. add graph M's to signal Write ROM to grab next line from merge list

i. F8(Exit), enter Super, press F2=(Write ROM)

j. PRINT, F3(Outp), backspace out "MRGE" and type "LPT:", ENTER

k. rest cursor on .DO filename, Fl(Go)

## X. Sales and Invoice System Example

1. Create CUST.DO and CUST.CA files. Type customer input screen, F8(Exit). Type customer data. F4(Next) goes to next record. When finished, F8(Exit).

2. Create INVEN.DO and INVEN.CA files. Type inventory input and update screen, F8(Exit). Set special default type for Field C (sell price): F7(Lucd), Goto, type in "C250", ENTER, type in "0", ENTER, F7(Sel), ENTER, Fl(Disp), F5(\$###), F8(Exit), move cursor to A1, F6(Data), Fl(View), ENTER. Type data, F4(Next) goes to next record. When finished, F8(Exit).

3. Create SALES.DO and SALES.CA files. Type sales input screen, ENTER. Put join formula in AA1: F7(Lucd), Goto, type in "AA1", ENTER, type "+JYN("CUST",A#,A#,B#)", ENTER. Put join formula in AA2: type "+JYN("INVEN",B#,A#,B#)", ENTER. Set special default type for Field C (quantity purchased): Goto, type "C250", ENTER, type "0", ENTER, F7(Sel), ENTER, Fl(Disp), F2(#.##), backspace out "2" and type "0", ENTER, F8(Exit). Put join formula in AA3: type "+JYN("INVEN",B#,A#,C#)". Put formula in virtual field Z1: type "+AA3\*C#", ENTER. Format Z1: F7(Sel), ENTER, Fl(Disp), F5(\$###), F8(Exit). Press F6(Data), Fl(View), ENTER. Type customer I.D., ENTER, ENTER again. Type product I.D., ENTER, ENTER again. Type quantity, ENTER. Press F4(Next), enter new sales data.

4. Create INVOIC.DO.

a. Prepare report template file (see III). Include line item, grand total, page header, page footer, Break 1 header, and Break 1 footer templates.

Leave first line empty.

Third line= ".PAGE"

Second line= total due= Field

AA4. Put formula in AA4: type

"+TL1(Z#)^H", ENTER. Format AA4:

F7(Sel), ENTER, Fl(Disp), F5(\$#.##),

F8(Exit).

Put formula in AA5: type "+NB1",  
ENTER. Format AA5: F7(Sel), ENTER,  
F1(Disp), F2(#.##), 0, ¥!(,###),  
F8(Exit).

b. Prepare rest of report  
specifier range: type in DR2-

" +NOT(NUL(A#))"

DR3- "+CHG(A#)<sup>M</sup>

DR5- "1"

DR6- "1000"

DR9- "66"

DR10- "4"

