DISD 2018
Moving to DataFlex Reports

Ulbe Stellema
Data Access Europe

Data Access Worldwide

Business Software for a Changing World™

Data Access Worldwide delivers advanced products and services to help customers build great database applications and get more value from their data.

The $64.000 Question

- DataFlex driver
  - For embedded database
  - Use of .int files not recommended
- ODBC driver
  - For all other databases types
- RDS driver
  - For all database types
  - Logic moves from report to code

JOIN

- DataFlex driver
  - Inner join & Left outer join
  - Right outer join via reversed link
- ODBC driver
  - All join types
- RDS driver (& SQLite)
  - Inner join & Left outer join
  - Right outer join via reversed link

Please Excuse My Dear Aunt Sally

- Parentheses
- Unary '+' & '-'
- Multiplication & Division
- Addition & Subtraction
- Comparison ('>', '<', '<=', '>=', '=', '<>')
- Unary 'not'
- Logical unary 'or'
- Logical unary 'and'

The wonderful world of the VARIANT

- What is the type of a function?
- No variable initialization (VT_EMPTY)
- Constants 'numbers' are actually floating points
- Floating point is an approximate type
  - Closest you can get to 1.11 is 1.1100000000000000976996261670137755572795867919921875

Globalization

- Suggestion: always declare 'as global'
- Use to pass filters to subreports
- Use to create running totals

Bits and Pieces

- Type upgrade
  - Double
  - Currency
  - Date
  - Decimal
  - Bigint
  - Int
  - String
  - Boolean
  - Upgrade failed then String

- Case statement (no fall through)

- Round to EVEN

Execution Order

- Check Report Explorer!

Filtration system

- DataFlex driver
  - Only on 'left most' table
  - Only when index is available
- ODBC / SQLite driver
  - All tables / columns except Memo/Binary
- RDS driver
  - Nothing to 'offload'
  - Filter via 'Filter Function'
- Filters in 'Filter Expert' and 'Filter Function' are AND'ed together!

Thank you for your time

Have a nice day!