examples/transfer_option.pql

by *Pequel*

sample@youraddress.com

Transfer Option Example Script

2.2

Table of Contents
Transfer Option Example Script

SCRIPT NAME 1
DESCRIPTION 1
1. PROCESS DETAILS 1
1.1 PRODUCT_CODE 1
1.2 COST_PRICE 1
1.3 DESCRIPTION 1
1.4 SALES_CODE 1
1.5 SALES_PRICE 1
1.6 SALES_QTY 1
1.7 SALES_DATE 1
1.8 LOCATION 1
1.9 LDESCRIPT 1
Derived Field Evaluation 1
1.10 ZIPCODE 1
Derived Field Evaluation 1
1.11 SALES_TOTAL 2
Derived Field Evaluation 2
1.12 SALES_Q1 2
Derived Field Evaluation 2
1.13 SALES_Q2 2
Derived Field Evaluation 2
1.14 SALES_Q3 2
Derived Field Evaluation 2
1.15 SALES_Q4 2
Derived Field Evaluation 2
2. CONFIGURATION SETTINGS 3
2.1 prefix 3
2.2 pequeldoc 3
2.3 detail 3
2.4 script_name 3
2.5 header 3
2.6 optimize 3
2.7 transfer 3
2.8 discard_header 3
2.9 default_datetype 3
2.10 doc_title 3
2.11 doc_email 3
2.12 doc_version 3
3. TABLES 4
3.1 LOC_DESCRIPT 4
Data 4
3.2 LOC_DESCRIPTION 4
Data 4
4. TABLE INFORMATION SUMMARY 5
4.1 Table List Sorted By Table Name 5
5. EXAMPLES/TRANSFER_OPTION.PQL 6
options 6
description 6
init table 6
input section 6
6. PEQUEL GENERATED PROGRAM 7
7. ABOUT PEQUEL 10
COPYRIGHT 10

SCRIPT NAME

examples/transfer_option.pql

DESCRIPTION

Demonstrates use of 'transfer' option and &date() macro. Note the &date() macro converts date values to YYYYMMDD format.

1. PROCESS DETAILS

Input records are read from standard input. The input record contains ***8*** fields. Fields are delimited by the '|' character.

Output records are written to standard output. The output record contains ***15*** fields. Fields are delimited by the '|' character.

1.1 *PRODUCT_CODE*

Input Field

1.2 *COST_PRICE*

Input Field

1.3 *DESCRIPTION*

Input Field

1.4 *SALES_CODE*

Input Field

1.5 *SALES_PRICE*

Input Field

1.6 *SALES_QTY*

Input Field

1.7 *SALES_DATE*

Input Field

1.8 *LOCATION*

Input Field

1.9 *LDESCRIPT*

Input Derived Field

Derived Field Evaluation

```
=> %LOC_DESCRIPT(LOCATION)
```

1.10 *ZIPCODE*

Input Derived Field

Derived Field Evaluation

```
=> %LOC_DESCRIPTION(LOCATION)->2
```

1.11 *SALES_TOTAL*

Input Derived Field

Derived Field Evaluation

```
=> SALES_PRICE * SALES_QTY
```

1.12 *SALES_Q1*

Input Derived Field

Derived Field Evaluation

```
=> (&date(SALES_DATE,YYMMMDD) >= 20020101 && &date(SALES_DATE) <= 20020331)
    ?  SALES_TOTAL
    :  0.0
```

1.13 *SALES_Q2*

Input Derived Field

Derived Field Evaluation

```
=> (&date(SALES_DATE) >= 20020401 && &date(SALES_DATE) <= 30030631)
    ?  SALES_TOTAL
    :  0.0
```

1.14 *SALES_Q3*

Input Derived Field

Derived Field Evaluation

```
=> (&date(SALES_DATE) >= 20020701 && &date(SALES_DATE) <= 20020931)
    ?  SALES_TOTAL
    :  0.0
```

1.15 *SALES_Q4*

Input Derived Field

Derived Field Evaluation

```
=> (&date(SALES_DATE) >= 20021001 && &date(SALES_DATE) <= 20021231)
    ?  SALES_TOTAL
    :  0.0
```

2. CONFIGURATION SETTINGS

2.1 *prefix*
directory pathname prefix.: examples

2.2 *pequeldoc*
generate pod / pdf pequel script Reference Guide.: pdf

2.3 *detail*
Include Pequel Generated Program chapter in Pequeldoc: 1

2.4 *script_name*
script filename: examples/transfer_option.pql

2.5 *header*
write header record to output.: 1

2.6 *optimize*
optimize generated code.: 1

2.7 *transfer*
Copy input (including calculated fields) to output.: 1

2.8 *discard_header*
Input file has header record - must be discarded.: 1

2.9 *default_datetype*
default date format: DD/MM/YYYY

2.10 *doc_title*
document title.: Transfer Option Example Script

2.11 *doc_email*
document email entry.: sample@youraddress.com

2.12 *doc_version*
document version for pequel script.: 2.2

3. TABLES

3.1 *LOC_DESCRIPT*

Table Type: ***local***

Data

NSW — New South Wales
WA — Western Australia
SYD — Sydney
MEL — Melbourne
SA — South Australia
NT — Northern Territory
QLD — Queensland
VIC — Victoria
PER — Perth
ALIC — Alice Springs

3.2 *LOC_DESCRIPTION*

Table Type: ***local***

Data

WA — Western Australia 4001
NSW — New South Wales 2061
SA — South Australia 3023
QLD — Queensland 6099

4. TABLE INFORMATION SUMMARY

4.1 Table List Sorted By Table Name

LOC_DESCRIPT — ***1*** (*local*)
LOC_DESCRIPTION — ***2*** (*local*)

5. EXAMPLES/TRANSFER_OPTION.PQL

options

```
prefix(examples)
pequeldoc(pdf)
detail(1)
script_name(examples/transfer_option.pql)
header(1)
optimize(1)
transfer(1)
discard_header(1)
default_datetype(DD/MM/YYYY)
doc_title(Transfer Option Example Script)
doc_email(sample@youraddress.com)
doc_version(2.2)
```

description

```
Demonstrates use of 'transfer' option
and &date() macro.
Note the &date() macro converts date values to YYYYMMDD format.
```

init table

```
LOC_DESCRIPT NSW New South Wales
LOC_DESCRIPT WA Western Australia
LOC_DESCRIPT SYD Sydney
LOC_DESCRIPT MEL Melbourne
LOC_DESCRIPT SA South Australia
LOC_DESCRIPT NT Northern Territory
LOC_DESCRIPT QLD Queensland
LOC_DESCRIPT VIC Victoria
LOC_DESCRIPT PER Perth
LOC_DESCRIPT ALIC Alice Springs

LOC_DESCRIPTION WA Western Australia 4001
LOC_DESCRIPTION NSW New South Wales 2061
LOC_DESCRIPTION SA South Australia 3023
LOC_DESCRIPTION QLD Queensland 6099
```

input section

```
PRODUCT_CODE
COST_PRICE
DESCRIPTION
SALES_CODE
SALES_PRICE
SALES_QTY
SALES_DATE
LOCATION
LDESCRIPT => %LOC_DESCRIPT(LOCATION)

ZIPCODE => %LOC_DESCRIPTION(LOCATION)->2

SALES_TOTAL => SALES_PRICE * SALES_QTY

SALES_Q1 => (&date(SALES_DATE,YYMMMDD) >= 20020101 && &date(SALES_DATE) <= 20020331)
    ?  SALES_TOTAL
    :  0.0

SALES_Q2 => (&date(SALES_DATE) >= 20020401 && &date(SALES_DATE) <= 30030631)
    ?  SALES_TOTAL
    :  0.0

SALES_Q3 => (&date(SALES_DATE) >= 20020701 && &date(SALES_DATE) <= 20020931)
    ?  SALES_TOTAL
    :  0.0

SALES_Q4 => (&date(SALES_DATE) >= 20021001 && &date(SALES_DATE) <= 20021231)
    ?  SALES_TOTAL
    :  0.0
```

6. PEQUEL GENERATED PROGRAM

```
#!/usr/bin/perl
#-+-+-+
```

```
while (<STDIN>)
{
    ++$_inprecs;
    print STDERR '[examples/transfer_option.pql ' . localtime() . "] $_inprecs records." if ($_inprecs % VERBO
SE == 0);
    chomp;
    @I_VAL = split("[|]", $_);
    $I_VAL[_I_LDESCRIPT] = $$_TABLE_LOC_DESCRIPT{qq{$I_VAL[_I_LOCATION]}};
    $I_VAL[_I_ZIPCODE] = ${$$_TABLE_LOC_DESCRIPTION{qq{$I_VAL[_I_LOCATION]}}}[_T_LOC_DESCRIPTION_FLD_2];
    $I_VAL[_I_SALES_TOTAL] = $I_VAL[_I_SALES_PRICE] * $I_VAL[_I_SALES_QTY];
    $I_VAL[_I_SALES_Q1] = (scalar((int(substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) < 20 ? '20' : '19') . substr(q
q{$I_VAL[_I_SALES_DATE]}, 0, 2). $MONTH_NUM{substr(qq{$I_VAL[_I_SALES_DATE]}, 2, 3)}. substr(qq{$I_VAL[_I_SALE
S_DATE]}, 5, 2)) >= 20020101 && scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4). substr(qq{$I_VAL[_I_SALES_DATE
]}, 3, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) <= 20020331) ? $I_VAL[_I_SALES_TOTAL] : 0.0;
    $I_VAL[_I_SALES_Q2] = (scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4). substr(qq{$I_VAL[_I_SALES_DATE]}, 3
, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) >= 20020401 && scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4).
substr(qq{$I_VAL[_I_SALES_DATE]}, 3, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) <= 30030631) ? $I_VAL[_I_SAL
ES_TOTAL] : 0.0;
    $I_VAL[_I_SALES_Q3] = (scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4). substr(qq{$I_VAL[_I_SALES_DATE]}, 3
, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) >= 20020701 && scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4).
substr(qq{$I_VAL[_I_SALES_DATE]}, 3, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) <= 20020931) ? $I_VAL[_I_SAL
ES_TOTAL] : 0.0;
    $I_VAL[_I_SALES_Q4] = (scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4). substr(qq{$I_VAL[_I_SALES_DATE]}, 3
, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) >= 20021001 && scalar(substr(qq{$I_VAL[_I_SALES_DATE]}, 6, 4).
substr(qq{$I_VAL[_I_SALES_DATE]}, 3, 2). substr(qq{$I_VAL[_I_SALES_DATE]}, 0, 2)) <= 20021231) ? $I_VAL[_I_SAL
ES_TOTAL] : 0.0;
    print STDOUT
        @I_VAL[0..LAST_ICELL]
    ;
}

close(STDIN);
print STDERR '[examples/transfer_option.pql ' . localtime() . "] $_inprecs records.";
my $benchmark_end = new Benchmark;
my $benchmark_timediff = timediff($benchmark_start, $benchmark_end);
print STDERR '[examples/transfer_option.pql ' . localtime() . "] Code statistics: @{[timestr($benchmark_timedi
ff)]}";
#-+-+-+
```

```
            'LDESCRIPT',
            'ZIPCODE',
            'SALES_TOTAL',
            'SALES_Q1',
            'SALES_Q2',
            'SALES_Q3',
            'SALES_Q4'
            ;
    }
```

7. ABOUT PEQUEL

This document was generated by Pequel.

https://sourceforge.net/projects/pequel/

COPYRIGHT

Copyright ©1999-2005, Mario Gaffiero. All Rights Reserved.
'Pequel' TM Copyright ©1999-2005, Mario Gaffiero. All Rights Reserved.

This program and all its component contents is copyrighted free software by Mario Gaffiero and is released under the GNU General Public License (GPL), Version 2, a copy of which may be found at http://www.opensource.org/licenses/gpl-license.html

Pequel is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

Pequel is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with Pequel; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA