



examples/macro_select.pql

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Select() Macro Example Script

2.2

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SCRIPT NAME

examples/macro_select.pql

DESCRIPTION

Demonstrate the use of the &select() macro. The arguments for the &select() macro consist of a list of condition-value pairs and a final 'default' value.

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 **10** 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 *MARKUP_PC*

Input Derived Field

Derived Field Evaluation

```
=> &select \  
( \  
  LOCATION eq 'NSW', 0.05, \  
  LOCATION eq 'VIC', 0.045, \  
  0.035 \  
)
```

1.10 *MARKUP_PRICE*

Input Derived Field

Derived Field Evaluation

=> SALES_PRICE * MARKUP_PC

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/macro_select.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 *doc_title*

document title.: Select() Macro Example Script

2.9 *doc_email*

document email entry.: sample@youraddress.com

2.10 *doc_version*

document version for pequel script.: 2.2

3. TABLES

4. TABLE INFORMATION SUMMARY

4.1 Table List Sorted By Table Name

5. EXAMPLES/MACRO_SELECT.PQL

options

```
prefix(examples)
pequeldoc(pdf)
detail(1)
script_name(examples/macro_select.pql)
header(1)
optimize(1)
transfer(1)
doc_title(Select() Macro Example Script)
doc_email(sample@youraddress.com)
doc_version(2.2)
```

description

Demonstrate the use of the &select() macro. The arguments for the &select() macro consist of a list of condition-value pairs and a final 'default' value.

input section

```
PRODUCT_CODE
COST_PRICE
DESCRIPTION
SALES_CODE
SALES_PRICE
SALES_QTY
SALES_DATE
LOCATION
MARKUP_PC => &select \
( \
  LOCATION eq 'NSW', 0.05, \
  LOCATION eq 'VIC', 0.045, \
  0.035 \
)

MARKUP_PRICE => SALES_PRICE * MARKUP_PC
```

6. PEQUEL GENERATED PROGRAM

```
#!/usr/bin/perl
#-----
# vim: syntax=perl ts=4 sw=4
#-----
#Generated By: pequel Version 2.4-5, Build: Wednesday November 16 21:56:42 GMT 2005
#           : http://sourceforge.net/projects/pequel/
#Script Name : macro_select.pql
#Created On  : Wed Nov 16 14:09:47 2005
#Perl Version: /usr/bin/perl 5.6.1 on solaris
#For         :
#-----
#Options:
#prefix(examples) directory pathname prefix.
#pequeldoc(pdf) generate pod / pdf pequel script Reference Guide.
#detail(1) Include Pequel Generated Program chapter in Pequeldoc
#script_name(examples/macro_select.pql) script filename
#header(1) write header record to output.
#optimize(1) optimize generated code.
#transfer(1) Copy input (including calculated fields) to output.
#doc_title(Select() Macro Example Script) document title.
#doc_email(sample@youraddress.com) document email entry.
#doc_version(2.2) document version for pequel script.
#-----
use strict;
use constant _I_PRODUCT_CODE    => int    0;
use constant _I_COST_PRICE      => int    1;
use constant _I_DESCRIPTION     => int    2;
use constant _I_SALES_CODE      => int    3;
use constant _I_SALES_PRICE     => int    4;
use constant _I_SALES_QTY       => int    5;
use constant _I_SALES_DATE      => int    6;
use constant _I_LOCATION        => int    7;
use constant _I_MARKUP_PC       => int    8;
use constant _I_MARKUP_PRICE    => int    9;
local $\\="\n";
local $,="|";
print STDERR '[examples/macro_select.pql ' . localtime() . "] Init";
use constant VERBOSE => int 10000;
use constant LAST_ICELL => int 9;
my @I_VAL;
my @O_VAL;
my $_inprecs=0;
&PrintHeader();
print STDERR '[examples/macro_select.pql ' . localtime() . "] Start";
use Benchmark;
my $benchmark_start = new Benchmark;
while (<STDIN>)
{
    ++$_inprecs;
    print STDERR '[examples/macro_select.pql ' . localtime() . "] $_inprecs records." if ($_inprecs % VERBOSE
== 0);
    chomp;
    @I_VAL = split("[|]", $_);
    $I_VAL[_I_MARKUP_PC] =      $I_VAL[_I_LOCATION] eq 'NSW'
? 0.05
: $I_VAL[_I_LOCATION] eq 'VIC'
? 0.045
: 0.035
;
    $I_VAL[_I_MARKUP_PRICE] = $I_VAL[_I_SALES_PRICE] * $I_VAL[_I_MARKUP_PC];
    print STDOUT
        @I_VAL[0..LAST_ICELL]
    ;
}

close(STDIN);
print STDERR '[examples/macro_select.pql ' . localtime() . "] $_inprecs records.";
my $benchmark_end = new Benchmark;
my $benchmark_timediff = timediff($benchmark_start, $benchmark_end);
print STDERR '[examples/macro_select.pql ' . localtime() . "] Code statistics: @{{timestr($benchmark_timediff)
}}";
#-----
sub PrintHeader
{
    local $\\="\n";
    local $,="|";
    print STDOUT
        'PRODUCT_CODE',
        'COST_PRICE',
        'DESCRIPTION',

```

```
        'SALES_CODE' ,  
        'SALES_PRICE' ,  
        'SALES_QTY' ,  
        'SALES_DATE' ,  
        'LOCATION' ,  
        'MARKUP_PC' ,  
        'MARKUP_PRICE' ,  
    ;  
}
```

7. ABOUT PEQUEL

This document was generated by Pequel.

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

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