



examples/messages.pql

by *Pequel*

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Message Sections Example Script

2.3

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SCRIPT NAME

examples/messages.pql

DESCRIPTION

Demonstrates the use of display-message section types. Each of these sections will display the message contained in the `section` argument if any of the condition items match the current record. The 'abort' version will cause Pequel to abort the processing after the message has been displayed. Messages are displayed to the standard error (STDERR) output. Message text can contain input and output field names which will be interpolated with their value unless the field name is enclosed within quotes.

1. PROCESS DETAILS

Input records are read from standard input. The input record contains **9** fields. Fields are delimited by the '|' character.

Output records are written to standard output. The output record contains **2** fields. Fields are delimited by the '|' character.

Input records are **grouped** by the input field *location* (*string*).

1.1 *location*

Output Field

Description

Set to input field *location*

1.2 *num_products*

Output Field

Description

Distinct aggregation on input field *product_code*.

2. CONFIGURATION SETTINGS

2.1 *pequeldoc*

generate pod / pdf pequel script Reference Guide.: pdf

2.2 *detail*

Include Pequel Generated Program chapter in Pequeldoc: 1

2.3 *noverbose*

do not progress counter: 1

2.4 *prefix*

directory pathname prefix.: examples

2.5 *script_name*

script filename: examples/messages.pql

2.6 *header*

write header record to output.: 1

2.7 *optimize*

optimize generated code.: 1

2.8 *nulls*

print zero for null numeric/decimal.: 1

2.9 *hash*

Generate in memory. Input data can be unsorted.: 1

2.10 *doc_title*

document title.: Message Sections Example Script

2.11 *doc_email*

document email entry.: sample@youraddress.com

2.12 *doc_version*

document version for pequel script.: 2.3

3. TABLES

4. TABLE INFORMATION SUMMARY

4.1 Table List Sorted By Table Name

5. EXAMPLES/MESSAGES.PQL

options

```
pequeldoc(pdf)
detail(1)
noverbose(1)
prefix(examples)
script_name(examples/messages.pql)
header(1)
optimize(1)
nulls(1)
hash(1)
doc_title(Message Sections Example Script)
doc_email(sample@youraddress.com)
doc_version(2.3)
```

description

Demonstrates the use of display-message section types. Each of these sections will display the message contained in the section argument if any of the condition items match the current record. The 'abort' version will cause Pequel to abort the processing after the message has been displayed. Messages are displayed to the standard error (STDERR) output. Message text can contain input and output field names which will be interpolated with their value unless the field name is enclosed within quotes.

input section

```
product_code
cost_price
description
sales_code
sales_price
sales_gty
sales_date
location
salesman_list
```

group by

```
location string
```

output section

```
string    location    location
string    num_products distinct product_code
```

6. PEQUEL GENERATED PROGRAM

```
#!/usr/bin/perl
#-----
# vim: syntax=perl ts=4 sw=4
#-----
#Generated By: pequel Version 2.3-6, Build: Wednesday October 26 23:16:49 BST 2005
#           : http://sourceforge.net/projects/pequel/
#Script Name : examples/messages.pql
#Created On  : Wed Oct 26 13:12:21 2005
#Perl Version: /usr/bin/perl 5.6.1 on solaris
#For         :
#-----
#Options:
#pequeldoc(pdf) generate pod / pdf pequel script Reference Guide.
#detail(1) Include Pequel Generated Program chapter in Pequeldoc
#noverbose(1) do not progress counter
#prefix(examples) directory pathname prefix.
#script_name(examples/messages.pql) script filename
#header(1) write header record to output.
#optimize(1) optimize generated code.
#nulls(1) print zero for null numeric/decimal.
#hash(1) Generate in memory. Input data can be unsorted.
#doc_title(Message Sections Example Script) document title.
#doc_email(sample@youraddress.com) document email entry.
#doc_version(2.3) 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_salesman_list => int 8;
use constant _O_location     => int 1;
use constant _O_num_products => int 2;
local $\\="\\n";
local $,="|";
use constant VERBOSE => int 10000;
use constant LAST_ICELL => int 8;
my @I_VAL;
my %O_VAL;
my $key;
my %DISTINCT;
&PrintHeader();
while (<STDIN>)
{
    chomp;
    @I_VAL = split("[|]", $_);
    if (( $I_VAL[_I_product_code] =~ /^A111/ ) || ( $I_VAL[_I_product_code] =~ /^X111/ ))
    {
        print STDERR "Product code: $I_VAL[_I_product_code]";
        print STDERR "Process aborted at record " . int($.);
        last;
    }

    $key = ( $I_VAL[_I_location] );
    $O_VAL{$key}{_O_location} = $I_VAL[_I_location];
    $O_VAL{$key}{_O_num_products}++;
    if (defined($I_VAL[_I_product_code]) && ++$DISTINCT{$key}{_O_num_products}{qq{$I_VAL[_I_product_code]}}
    } == 1);
}

foreach $key (sort keys %O_VAL)
{
    print STDOUT
        $O_VAL{$key}{_O_location},
        $O_VAL{$key}{_O_num_products}
        ;
    if (( $O_VAL{$key}{_O_num_products} < 15 ))
    {
        print STDERR "Location $O_VAL{$key}{_O_location} contains less than 15 products: $O_VAL{$key}{_O_num_p
roducts}.";
    }
}

#-----
sub PrintHeader
```

```
{
  local $\="\n";
  local $,="| ";
  print
    'location',
    'num_products'
  ;
}
```

7. ABOUT PEQUEL

This document was generated by Pequel.

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

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