



examples/sales_ttl_by_prod.pql by *Pequel*

sample@youraddress.com

Pequel Table Example Script

2.3

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SCRIPT NAME

examples/sales_ttl_by_prod.pql

DESCRIPTION

This script demonstrates the use of pequel tables. This script will be called by another Pequel script to load the table data via the 'load pequel table' section. The important thing here is to specify the 'input_file' option.

1. PROCESS DETAILS

Input records are read from sample.data. The input record contains **8** 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 **PRODUCT_CODE** (*string*).

1.1 PRODUCT_CODE

Output Field

Description

Set to input field **PRODUCT_CODE**

1.2 SALES_TOTAL

Output Field

Description

Sum aggregation on input field **SALES_TOTAL**.

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/sales_ttl_by_prod.pql

2.5 *input_file*

input data filename: sample.data

2.6 *header*

write header record to output.: 1

2.7 *optimize*

optimize generated code.: 1

2.8 *doc_title*

document title.: Pequel Table Example Script

2.9 *doc_email*

document email entry.: sample@youraddress.com

2.10 *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/SALES_TTL_BY_PROD.PQL

options

```
prefix(examples)
pequeldoc(pdf)
detail(1)
script_name(examples/sales_ttl_by_prod.pql)
input_file(sample.data)
header(1)
optimize(1)
doc_title(Pequel Table Example Script)
doc_email(sample@youraddress.com)
doc_version(2.3)
```

description

This script demonstrates the use of pequel tables. This script will be called by another Pequel script to load the table data via the 'load pequel table' section. The important thing here is to specify the 'input_file' option.

input section

```
PRODUCT_CODE
COST_PRICE
DESCRIPTION
SALES_CODE
SALES_PRICE
SALES_QTY
SALES_DATE
LOCATION
SALES_TOTAL => SALES_QTY * SALES_PRICE
```

group by

```
PRODUCT_CODE string
```

output section

```
string    PRODUCT_CODE  PRODUCT_CODE
decimal   SALES_TOTAL   sum SALES_TOTAL
```

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 : sales_ttl_by_prod.pql
#Created On  : Wed Nov 16 14:19:40 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/sales_ttl_by_prod.pql) script filename
#input_file(sample.data) input data filename
#header(1) write header record to output.
#optimize(1) optimize generated code.
#doc_title(Pequel Table 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_SALES_TOTAL     => int    8;
use constant _O_PRODUCT_CODE    => int    1;
use constant _O_SALES_TOTAL     => int    2;
local $\\="\n";
local $,="|";
print STDERR "[examples/sales_ttl_by_prod.pql ' . localtime() . "] Init";
use constant VERBOSE => int 10000;
use constant LAST_ICELL => int 8;
my @I_VAL;
my @O_VAL;
my $_inprec=0;
my $key__I_PRODUCT_CODE;
my $previous_key__I_PRODUCT_CODE = undef;
foreach my $f (1..2) { $O_VAL[$f] = undef; }
open(DATA, q{examples/sample.data}) || die "Cannot open examples/sample.data: $!";
&PrintHeader();
print STDERR "[examples/sales_ttl_by_prod.pql ' . localtime() . "] Start";
use Benchmark;
my $benchmark_start = new Benchmark;
while (<DATA>)
{
    ++$_inprec;
    print STDERR "[examples/sales_ttl_by_prod.pql ' . localtime() . "] $_inprec records." if ($_inprec % VER
BOSE == 0);
    chomp;
    @I_VAL = split("[|]", $_);
    $key__I_PRODUCT_CODE = $I_VAL[_I_PRODUCT_CODE];
    if (!defined($previous_key__I_PRODUCT_CODE))
    {
        $previous_key__I_PRODUCT_CODE = $key__I_PRODUCT_CODE;
    }

    elsif ($previous_key__I_PRODUCT_CODE ne $key__I_PRODUCT_CODE)
    {
        print STDOUT
            $O_VAL[_O_PRODUCT_CODE],
            $O_VAL[_O_SALES_TOTAL]
        ;
        $previous_key__I_PRODUCT_CODE = $key__I_PRODUCT_CODE;
        @O_VAL = undef;
    }

    $O_VAL[_O_PRODUCT_CODE] = $I_VAL[_I_PRODUCT_CODE];
    $I_VAL[_I_SALES_TOTAL] = $I_VAL[_I_SALES_QTY] * $I_VAL[_I_SALES_PRICE];
    $O_VAL[_O_SALES_TOTAL] += $I_VAL[_I_SALES_TOTAL] unless ($I_VAL[_I_SALES_TOTAL] eq '');
}

print STDOUT
```

```

        $O_VAL[_O_PRODUCT_CODE],
        $O_VAL[_O_SALES_TOTAL]
    ;
close(DATA);
print STDERR '[examples/sales_ttl_by_prod.pql ' . localtime() . "] $_inprec records.";
my $benchmark_end = new Benchmark;
my $benchmark_timediff = timediff($benchmark_start, $benchmark_end);
print STDERR '[examples/sales_ttl_by_prod.pql ' . localtime() . "] Code statistics: @{{timestr($benchmark_time
diff)}}";
#-----
sub PrintHeader
{
    local $\="\n";
    local $,="|";
    print STDOUT
        'PRODUCT_CODE',
        'SALES_TOTAL'
        ;
}

```

7. ABOUT PEQUEL

This document was generated by Pequel.

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

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