



# examples/pack\_output.pql

by *Pequel*

---

[sample@youraddress.com](mailto:sample@youraddress.com)

## Pack Output Example Script

2.3



# Table of Contents

## Pack Output Example Script

|                                     |   |
|-------------------------------------|---|
| SCRIPT NAME                         | 1 |
| DESCRIPTION                         | 1 |
| 1. PROCESS DETAILS                  | 1 |
| 1.1 LOCATION                        | 1 |
| Description                         | 1 |
| 1.2 PRODUCT_CODE                    | 1 |
| Description                         | 1 |
| 1.3 SALES_QTY                       | 1 |
| Description                         | 1 |
| 2. CONFIGURATION SETTINGS           | 2 |
| 2.1 prefix                          | 2 |
| 2.2 pequeldoc                       | 2 |
| 2.3 detail                          | 2 |
| 2.4 script_name                     | 2 |
| 2.5 header                          | 2 |
| 2.6 optimize                        | 2 |
| 2.7 hash                            | 2 |
| 2.8 nulls                           | 2 |
| 2.9 doc_title                       | 2 |
| 2.10 doc_email                      | 2 |
| 2.11 doc_version                    | 2 |
| 2.12 discard_header                 | 2 |
| 2.13 pack_output                    | 2 |
| 2.14 output_pack_fmt                | 2 |
| 3. TABLES                           | 3 |
| 4. TABLE INFORMATION SUMMARY        | 4 |
| 4.1 Table List Sorted By Table Name | 4 |
| 5. EXAMPLES/PACK_OUTPUT.PQL         | 5 |
| options                             | 5 |
| description                         | 5 |
| input section                       | 5 |
| output section                      | 5 |
| 6. PEQUEL GENERATED PROGRAM         | 6 |
| 7. ABOUT PEQUEL                     | 8 |
| COPYRIGHT                           | 8 |



## SCRIPT NAME

examples/pack\_output.pql

## DESCRIPTION

Demonstrates packing output data stream to packed or fixed record format. Use the 'pack\_output' and 'output\_pack\_fmt' options together to specify packed/fixed record output data stream. The formats specified in 'output\_pack\_fmt' are the same as for the Perl pack/unpack functions. The format may be enclosed in square brackets to indicate that this is a repeat format — that is the format will be used for each field — so in this example the '[A3/Z\*]' will expand to 'A3/Z\*A3/Z\*A3/Z\*A3/Z\*A3/Z\*A3/Z\*A3/Z\*' to reflect the 7 field input record format. Please refer to the Perl perlpacktut manual for format definitions. The 'pack\_output' option may not be used when the 'sort output' section is used.

## 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 **3** fields. Fields are delimited by the '|' character.

### 1.1 LOCATION

Output Field

#### *Description*

Set to input field **LOCATION**

### 1.2 PRODUCT\_CODE

Output Field

#### *Description*

Set to input field **PRODUCT\_CODE**

### 1.3 SALES\_QTY

Output Field

#### *Description*

Set to input field **SALES\_QTY**

## 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/pack\_output.pql

### 2.5 *header*

write header record to output.: 1

### 2.6 *optimize*

optimize generated code.: 1

### 2.7 *hash*

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

### 2.8 *nulls*

print zero for null numeric/decimal.: 1

### 2.9 *doc\_title*

document title.: Pack Output Example Script

### 2.10 *doc\_email*

document email entry.: sample@youraddress.com

### 2.11 *doc\_version*

document version for pequel script.: 2.3

### 2.12 *discard\_header*

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

### 2.13 *pack\_output*

Pack output data stream: 1

### 2.14 *output\_pack\_fmt*

Pack format for output data stream: [A3/Z\*]

### 3. TABLES

## 4. TABLE INFORMATION SUMMARY

### 4.1 Table List Sorted By Table Name



## 5. EXAMPLES/PACK\_OUTPUT.PQL

### *options*

```

prefix(examples)
pequeldoc(pdf)
detail(1)
script_name(examples/pack_output.pql)
header(1)
optimize(1)
hash(1)
nulls(1)
doc_title(Pack Output Example Script)
doc_email(sample@youraddress.com)
doc_version(2.3)
discard_header(1)
pack_output(1)
output_pack_fmt([A3/Z*])

```

### *description*

Demonstrates packing output data stream to packed or fixed record format. Use the 'pack\_output' and 'output\_pack\_fmt' options together to specify packed/fixed record output data stream. The formats specified in 'output\_pack\_fmt' are the same as for the Perl pack/unpack functions. The format may be enclosed in square brackets to indicate that this is a repeat format -- that is the format will be used for each field -- so in this example the '[A3/Z\*]' will expand to 'A3/Z\*A3/Z\*A3/Z\*A3/Z\*A3/Z\*A3/Z\*' to reflect the 7 field input record format. Please refer to the Perl perlpacktut manual for format definitions. The 'pack\_output' option may not be used when the 'sort output' section is used.

### *input section*

```

PRODUCT_CODE
COST_PRICE
DESCRIPTION
SALES_CODE
SALES_PRICE
SALES_QTY
SALES_DATE
LOCATION

```

### *output section*

```

string    LOCATION    LOCATION
string    PRODUCT_CODE PRODUCT_CODE
decimal   SALES_QTY    SALES_QTY

```

## 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 : pack_output.pql
#Created On  : Wed Nov 16 14:17:18 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/pack_output.pql) script filename
#header(1) write header record to output.
#optimize(1) optimize generated code.
#hash(1) Generate in memory. Input data can be unsorted.
#nulls(1) print zero for null numeric/decimal.
#doc_title(Pack Output Example Script) document title.
#doc_email(sample@youraddress.com) document email entry.
#doc_version(2.3) document version for pequel script.
#discard_header(1) Input file has header record - must be discarded.
#pack_output(1) Pack output data stream
#output_pack_fmt([A3/Z*]) Pack format for output data stream
#-----
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 _O_LOCATION        => int    1;
use constant _O_PRODUCT_CODE    => int    2;
use constant _O_SALES_QTY       => int    3;
local $\\="\\n";
local $,=",";
print STDERR "[examples/pack_output.pql ' . localtime() . "] Init";
use constant VERBOSE => int 10000;
use constant LAST_ICELL => int 7;
use constant OUTPUT_PACK_FMT => 'A3/Z*' x (3);
my @I_VAL;
my %O_VAL;
my $key;
my $_inprec=0;
&PrintHeader();
print STDERR "[examples/pack_output.pql ' . localtime() . "] Start";
use Benchmark;
my $benchmark_start = new Benchmark;
my $discard_header = <STDIN>;
while (<STDIN>)
{
    ++$_inprec;
    print STDERR "[examples/pack_output.pql ' . localtime() . "] $_inprec records." if ($_inprec % VERBOSE =
= 0);
    chomp;
    @I_VAL = split("[|]", $_);
    $O_VAL{$key}{_O_LOCATION} = $I_VAL[_I_LOCATION];
    $O_VAL{$key}{_O_PRODUCT_CODE} = $I_VAL[_I_PRODUCT_CODE];
    $O_VAL{$key}{_O_SALES_QTY} = $I_VAL[_I_SALES_QTY];
    print STDOUT
        pack(OUTPUT_PACK_FMT,
            $O_VAL{$key}{_O_LOCATION},
            $O_VAL{$key}{_O_PRODUCT_CODE},
            $O_VAL{$key}{_O_SALES_QTY}
        )
    ;
}

foreach $key (sort keys %O_VAL)
{
}

close(STDIN);
print STDERR "[examples/pack_output.pql ' . localtime() . "] $_inprec records.";
my $benchmark_end = new Benchmark;
```

```
my $benchmark_timediff = timediff($benchmark_start, $benchmark_end);
print STDERR '[examples/pack_output.pql ' . localtime() . "] Code statistics: @{"[timestr($benchmark_timediff)]
}";
#-----
sub PrintHeader
{
    local $\\="\n";
    local $,="| ";
    print STDOUT
        'LOCATION',
        'PRODUCT_CODE',
        'SALES_QTY'
        ;
}
```

## 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



