

PERL SHMREAD FUNCTION

http://www.tutorialspoint.com/perl/perl_shmread.htm

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Description

This function reads the shared memory segment ID into the scalar VAR at position POS for up to SIZE bytes.

Syntax

Following is the simple syntax for this function –

```
shmread ID, VAR, POS, SIZE
```

Return Value

This function returns 0 on failure and 1 on success.

Example

Following is the example code showing its basic usage –

```
#!/usr/bin/perl

# Assume this file name is writer.pl

use IPC::SysV;

#use these next two lines if the previous use fails.
eval 'sub IPC_CREAT {0001000}' unless defined &IPC_CREAT;
eval 'sub IPC_RMID {0}'      unless defined &IPC_RMID;

$key = 12345;
$size = 80;
$message = "Pennyfarthingale.";

# Create the shared memory segment

$key = shmget($key, $size, &IPC_CREAT | 0777 ) or
    die "Can't shmget: $!";

# Place a string in it
shmwrite( $id, $message, 0, 80 ) or die "Can't shmwrite: $!";

sleep 20;

# Delete it;

shmctl( $id, &IPC_RMID, 0 ) or die "Can't shmctl: $! ";
```

Write a reader program which retrieves the memory segment corresponding to \$key and reads its contents using shmread();.

```
#!/usr/bin/perl

# Assume this file name is reader.pl

$key = 12345;
$size = 80;

# Identify the shared memory segment
$id = shmget( $key, $size, 0777 ) or die "Can't shmget: $!";
```

```
# Read its contents into a string
shmread($id, $var, 0, $size) or die "Can't shmread: $!";

print $var;
```

Now First run writer.pl program in background and then reader.pl then it will produces the following result.

```
$perl writer.pl&
$perl reader.pl

Pennyfrathingale
```