

perl.beginners: Re: fetchall_hashref error: invalid number of parameters?

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Source: <http://coding.derkeiler.com/Archive/Perl/perl.beginners/2004-01/0083.html>

From: Rob Dixon (rob_at_dixon.port995.com)

Date: 01/04/04

To: "Ron Goral" <rorgoral@uponthemountain.com>, "Perl Beginners" <beginners@perl.org>

Date: Sat, 3 Jan 2004 23:18:43 -0000

Ron Goral wrote:

```
>
> From: Rob Dixon [mailto:rob@dixon.port995.com]
> Sent: Saturday, January 03, 2004 9:51 AM
> To: beginners@perl.org
> Subject: Re: fetchall_hashref error: invalid number of parameters?
>>
>>
>> Ron Goral wrote:
>>>
>>> I am trying to hit a MySQL database using DBI::mysql. I am trying to get
>>> table information using the SQL - "SHOW TABLE STATUS".
>>>
>>> The statement handle prepares and then executes as it should, but when I
>> try
>>> to get the info via $sth->fetchall_hashref, I get the following error:
>>>
>>> =====
>>> DBI fetchall_hashref: invalid number of parameters: handle + 0 Usage:
>>> $h->fetchall_hashref()
>>> =====
>>>
>>> I'm not sure what form the data will be in when this statement is
>> executed,
>>> but the hashref is a hopeful thing.
>>>
>>> Here is the code after a good connection to the database -
>>>
>>> =====
>>> eval{$sth = $dbh->prepare("SHOW TABLE STATUS");};
>>> print qq[Error - $@ <br />] if $@; # No error here
>>>
>>> eval{$sth->execute();};
>>> print qq[Error - $@ <br />] if $@; # No error here
>>>
```

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```
> > > my $ar_TableInfo;
> > > eval{$ar_TableInfo = $sth->fetchall_hashref;};
> > > print qq[Error - $@ <br />] if $@; # Error occurs here
> > >
> > > print qq[About to iterate the array of hashrefs.....<br />];
> > > foreach my $hr_TableInfo (@$ar_TableInfo)
> > >
> > > You're getting confused here. $ar_TableInfo is a hashref
> > > so you can't dereference it as an array.
> > >
> > > {
> > > foreach my $key (keys %{$hr_TableInfo})
> > > {print qq[$key is $hr_TableInfo->{$key}<br />];}
> > > }
> > > =====
> > >
> > > Like it says, you've supplied the wrong number of parameters
> > > to the fetchall_hashref method. You need to pass a single
> > > parameter saying which of the columns you want to use as the
> > > keys of the returned hash. In this case it makes little sense
> > > to use anything but the 'Name' column of the results, so you
> > > could write something like:
> > >
> > > my $hr_TableInfo = $sth->fetchall_hashref('Name');
> > >
> > > foreach my $name (keys %{$hr_TableInfo}) {
> > > my $rows = $hr_TableInfo->{$name}{Rows};
> > > my $update_time = $hr_TableInfo->{$name}{Update_time};
> > > }
> > >
> > > depending on what information you need from the results.
> > >
> > > fetchall_hashref is an array ref of hash refs (one hash ref per row
> > > contained in an array ref), so I have to dereference and iterate the array
> > > ref to get to the hash refs underneath. The DBI Manpage says:
> > >
> > > "It returns a reference to an array that contains one hash of field name and
> > > value pairs per row."
> > >
> > > Specifying column names is, unfortunately, an optional parameter for
> > > fetchall_arrayref not fetchall_hashref. =(
```

Hi Ron.

There's something odd somewhere. This is straight from

```
perldoc DBI
```

```
"fetchall_hashref"
    $hash_ref = $sth->fetchall_hashref($key_field);
```

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The "fetchall_hashref" method can be used to fetch all the data to be returned from a prepared and executed statement handle. It returns a reference to a hash that contains, at most, one entry per row.

Try running:

```
use DBI;
print $DBI::VERSION, "\n";
```

I'm running DBI version 1.37 (But the POD in the DBI.pm source file claims that it's for version 1.34!!)

I can't really help any further :-/

Rob