

Class: PG::Result

Inherits: Object	show all
Includes: Enumerable, Constants	
Defined in: ext/pg_result.c	more...

Overview

The [class](#) to represent the query result tuples (rows).
An instance of this [class](#) is created as the result of every query.
You may need to invoke the [#clear](#) method of the instance when finished with the result [for](#) better memory performance.

Example:

```
require 'pg'
conn = PG.connect(:dbname => 'test')
res = conn.exec('SELECT 1 AS a, 2 AS b, NULL AS c')
res.getvalue(0,0) # '1'
res[0]['b']      # '2'
res[0]['c']      # nil
```

Constant Summary

Constants included from [Constants](#)

```
Constants::CONNECTION_AUTH_OK, Constants::CONNECTION_AWAITING_RESPONSE,
Constants::CONNECTION_BAD, Constants::CONNECTION_MADE, Constants::CONNECTION_NEEDED,
Constants::CONNECTION_OK, Constants::CONNECTION_SETENV,
Constants::CONNECTION_SSL_STARTUP, Constants::CONNECTION_STARTED,
Constants::INVALID_OID, Constants::INV_READ, Constants::INV_WRITE, Constants::InvalidOid,
Constants::PGRES_BAD_RESPONSE, Constants::PGRES_COMMAND_OK, Constants::PGRES_COPY_BOTH,
Constants::PGRES_COPY_IN, Constants::PGRES_COPY_OUT, Constants::PGRES_EMPTY_QUERY,
Constants::PGRES_FATAL_ERROR, Constants::PGRES_NONFATAL_ERROR,
Constants::PGRES_POLLING_FAILED, Constants::PGRES_POLLING_OK,
Constants::PGRES_POLLING_READING, Constants::PGRES_POLLING_WRITING,
Constants::PGRES_SINGLE_TUPLE, Constants::PGRES_TUPLES_OK,
Constants::PG_DIAG_COLUMN_NAME, Constants::PG_DIAG_CONSTRAINT_NAME,
Constants::PG_DIAG_CONTEXT, Constants::PG_DIAG_DATATYPE_NAME,
Constants::PG_DIAG_INTERNAL_POSITION, Constants::PG_DIAG_INTERNAL_QUERY,
Constants::PG_DIAG_MESSAGE_DETAIL, Constants::PG_DIAG_MESSAGE_HINT,
Constants::PG_DIAG_MESSAGE_PRIMARY, Constants::PG_DIAG_SCHEMA_NAME,
Constants::PG_DIAG_SEVERITY, Constants::PG_DIAG_SOURCE_FILE,
```

Constants::PG_DIAG_SOURCE_FUNCTION, Constants::PG_DIAG_SOURCE_LINE,
Constants::PG_DIAG_SQLSTATE, Constants::PG_DIAG_STATEMENT_POSITION,
Constants::PG_DIAG_TABLE_NAME, Constants::PQERRORS_DEFAULT, Constants::PQERRORS_TERSE,
Constants::PQERRORS_VERBOSE, Constants::PQPING_NO_ATTEMPT,
Constants::PQPING_NO_RESPONSE, Constants::PQPING_OK, Constants::PQPING_REJECT,
Constants::PQTRANS_ACTIVE, Constants::PQTRANS_IDLE, Constants::PQTRANS_INERROR,
Constants::PQTRANS_INTRANS, Constants::PQTRANS_UNKNOWN, Constants::SEEK_CUR,
Constants::SEEK_END, Constants::SEEK_SET

Instance Method Summary

[collapse](#)

#[](n) ⇒ Hash

Returns tuple *n* as a hash.

#autoclear? ⇒ Boolean

Returns true if the underlying C struct will be cleared automatically by libpq.

#check ⇒ nil (also: #check_result)

Raises appropriate exception if PG::Result is in a bad state.

#clear ⇒ nil

Clears the PG::Result object as the result of the query.

#cleared? ⇒ Boolean

Returns true if the backend result memory has been free'd.

#cmd_status ⇒ String

Returns the status string of the last query command.

#cmd_tuples ⇒ Integer (also: #cmdtuples)

Returns the number of tuples (rows) affected by the SQL command.

#column_values(n) ⇒ Array

Returns an Array of the values from the *n*th column of each tuple in the result.

#each {|tuple| ... } ⇒ Object

Invokes block for each tuple in the result set.

#each_row {|row| ... } ⇒ Object

Yields each row of the result.

#error_field(fieldcode) ⇒ String (also: #result_error_field)

Returns the individual field of an error.

#error_message ⇒ String (also: #result_error_message)

Returns the error message of the command as a string.

#fformat(column_number) ⇒ Fixnum

Returns the format (0 for text, 1 for binary) of column *column_number*.