```
Official PostgreSQL 8.3 Documentation URL: http://www.postgresql.org/docs/8.3/static/
 COPY .. FROM ..
COPY .. TO ..
COPY .. TO ..
current_setting
pg_cancel_backend
pg_column_size
pg_database_size
pg_relation_size
pg_sise_pretty
pg_tablespace_size
pg_total_relation_size
set_config
                                                                                pg_dump
pg_dumpall
pg_restore
psql
                                                                                                                                                                  commonly used
                                                                                                                                                                  New in this release.

DATA TYPES
                                                                                JOIN Types
                                                                                                                                                                  Below are common data types with common alternative names.

Note: There are many more and one can define new types with create type. All table str
                                                                                CROSS JOIN
EXCEPT (ALL)
FULL JOIN
                                                                                                                                                                  datatype[] - e.g. varchar(50)[] (defines an array of a type)
                                                                                  FULL JOIN
[INNER] JOIN
INTERSECT (ALL)
LEFT JOIN
NATURAL JOIN
RIGHT JOIN
UNION (ALL)
                                                                                                                                                                    bit
boolean
bytea
character varying(length) - varchar(length)
character(length) - char(length)
                                                                                                                                                                                                                                                                                                                                                                                                                                               numeric(length,precision)
                                                                                                                                                                                                                                                                                                                                                                                                                                              oid
serial - serial4
bigserial - serial8
text
   set_config
vacuum analyze verbose
vacuum full
                                                                                                                                                                                                                                                                                                                                                                                                                                              text
time without timezone - time
time with timezone - timez
timestamp without timezone - timestamp
timestamp with timezone - timestampz
                                                                                                                                                                   date enum 1 double precision - float4 float8 integer - int4 bigint - int8
                                                                                BETWEEN .. AND
CASE WHEN .. END
DELETE FROM
DISTINCT
DISTINCT ON
EXISTS
FROM
                                                                                                                                                                                                                                                                                                                                                                                                                                             xml 1
                                                                                                                                                                  ADMIN EXAMPLES
                                                                                                                                                                  select pg_size_pretty(pg_tablespace_size('pg_default')) as tssize,
pg_size_pretty(pg_database_size('somedb')) as dbsize,
pg_size_pretty(pg_relation_size('someschema.sometable')) as tblsize;
                                                                                  GROUP BY
HAVING
ILIKE
IN(..)
LIKE
LIMIT ..OFFSET
  String Fund
                                                                                                                                                                  --from tab delimited where NULLs appear as NULL COPY sometable FROM "/path/to/textfile.txt" USING DELIMITERS '\t' WITH NULL As 'NULL';
 ascii
chr
initcap
length
lower
lpad
ltrim
md5
                                                                                   NOT
NOT IN(..)
                                                                                                                                                                   -Example exporting a query to a comma separated (CSV) called textfile.csv
-setting MULLS to text MULL
CSV (SELECT * FROM sometable WHERE somevalue LIKE '%') TO '/path/to/textfile.csv'
WITH NULL As 'NULL' CSV HEADER QUOTE AS '"';
                                                                                 NULLS FIRST
NULLS LAST
ORDER BY
SELECT
                                                                                                                                                                  vacuum analyze verbose;
vacuum sometable;
vacuum full;
                                                                                 SELT
SIMILAR TO
TRUNCATE TABLE
UPDATE
USING
WHERE
 ltrim
md5
position
quote_ident
quote_literal
regexp_matches
regexp_replace
regexp_split_to_array
regext_split_to_table
repeat
replace
rpad
                                                                                                                                                                    -Kils all active queries in selected db and list out process id
-and usename of process and field successful
SELECT procpid, usename, pg_cancel_backend(procpid)
FROM pg_stat_activity
WHERE datname = 'somedb';
                                                                                 avg
bit_and
bit_or
boolean_and
boolean_or
                                                                                                                                                                  JOIN EXAMPLES
                                                                                                                                                                  SINE EARMPLES

SELECT o.order_id, o.order_date, o.approved_date, COUNT (i.item_id) As nlineitems, SUM(i.unit_price*i.num_units) As total FROM orders o

INNER JOIN orderitems i ON o.order_id = i.order_id

GROUP BY o.order_id, o.order_date, o.approved_date

BAVING SUM(i.unit_price*i.num_units) > 200

ORDER BY o.approved_date NULLS FIRST;
 rpad
rtrim
split_part
strpos
substr
trim
upper
                                                                                                                                                                                                                                                                                                                                                                                                                            SELECT 'x' As bucket, o.order_id, o.order_date, COUNT(i.item_id) As nlineitems, SUM(i.unit_price*i.num_units) As total FROM xorders o INNER JOIN xorderides i on o.order_id = i.order_id GROUP BY o.order_id, o.order_date
                                                                                   count
count (DISTINCT)
                                                                                                                                                                                                                                                                                                                                                                                                                            GROUP BY o.order_id, o.order_date
UNION ALL
SELECT 'y' as bucket, o.order_id, o.order_date,
COUNT(i.item_id) As nlineitems,
SUM(i.unit_price*i.num_units) As total
FROM yorders o
INNER JOIN yorderitems i ON o.order_id = i.order_id
GROUP BY o.order_id, o.order_date
ORDER BY 1,3,2;
                                                                                      tddev
tddev_pop (a bunch more)
 current_date
current_time
current_timestamp
current_user
localtime
                                                                                 sum
sum(DISTINCT)
variance
xml_agg<sup>1</sup>
  Date Functions
                                                                                ADD CONSTRAINT
CREATE AGGREGATE
CREATE AGGREGATE
CREATE (DEFAULT) CONVERSION
CREATE DATABASE
CREATE DOMAIN
CREATE DOMAIN
CREATE (UNIQUE) INDEX
CREATE (UNIQUE) INDEX
CREATE (CREATE (OR REPLACE)
CREATE LANGUAGE
CREATE LANGUAGE
CREATE DEPARTOR DEPARTOR DEPARTOR DEPARTOR DEPARTOR DEPARTOR
Date Functions

age
date_part(text, timestamp)
cantury
decade
dow
doy
epoch
hour
monch
quarter
second
week
year
date_trunc
extract
interval
to_char
to_date
to_timestamp
                                                                                                                                                                  DDL EXAMPLES
                                                                                                                                                                                                                                                                                                                                               CREATE TABLE orders(
order_id serial NOT NULL,
order_addeddt timestamp without time zone,
order_rating rating,
CONSTRAINT pk_orders_order_id PRIMARY KEY (order_id)
                                                                                                                                                                  CREATE DATABASE somedb
                                                                                                                                                                       WITH OWNER = somelogin
ENCODING = 'WIN1252';
                                                                                                                                                                                                                                                                                                                                                  WITH (OIDS=FALSE);
                                                                                  CREATE OPERATOR FAMILY 1
                                                                                CREATE OPERATOR FAMILY I
CREATE ROLE
CREATE RULE
CREATE SCHEMA
CREATE SCHEMA
CREATE SEQUENCE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TYPE
CREATE TYPE
CREATE (OR REPLACE) VIEW
DROP [object]
                                                                                                                                                                    CREATE TYPE rating AS
ENUM('none', 'bronze', 'silver',
    'gold', 'platinum');
                                                                                                                                                                                                                                                                                                                                                CREATE OR REPLACE FUNCTION cp_test(somearg integer)
RETURNS SETOF sometable AS
$\text{$\text{SELECT}$ ' FROM sometable where msg_id = $1;$$
LANGUAGE 'sql' $\text{$\text{$TABLE}$;}$
                                                                                                                                                                    CREATE AGGREGATE sum(text) (
                                                                                                                                                                   SFUNC=textcat,
STYPE=text
);
  Date Predicate:
                                                                                                                                                                  UPDATE/INSERT/DELETE EXAMPLES
   overlaps
                                                                                                                                                                                                                                                                                                                                                                                                      UPDATE sometable
SET calccount = s.thecount
FROM (SELECT COUNT(someothertable.someid) as thecount,
someothertable.someid
FROM someothertable
GROUP BY someothertable.someid) s
WHERE sometable.someid = s.someid;
                                                                                                                                                                    UPDATE sometable
SET somevalue = 5
WHERE sometable.somename = 'stuff';
  Array Constru
 ANY(array)
ARRAY[[4,5,6],...]
ARRAY[(14,5,6],...]
ARRAY()
array_append
array_cat
array_lower
array_lower
array_lower
array_beend
array_to_string
array_upper
SOME(array)
string_to_array
                                                                                  enum_range
enum_smaller
                                                                                database_to_xml
database_to_xmlschema
query_to_xml
query_to_xml
query_to_xml
and_xmlschema
table_to_xml
xmlattributes
xmlcomment
                                                                                                                                                                   INSERT INTO orders(order_addeddt, order_rating)
VALUES ('2007-10-01 20:40', 'gold'),
('2007-09-01 10:00 AM', 'silver'),
('2007-09-02 10:00 PM', 'none'),
('2007-10-10 PM', 'bronze');
                                                                                                                                                                                                                                                                                                                                                                                                       INSERT INTO orders(order_addeddt, order_rating)
VALUES ('2007-10-01 20:40', 'gold');
                                                                                                                                                                                                                                                                                                                                                                                                       --This is a fast delete that deletes everything in a table so be cautious.
--Also only works on tables not referenced in foreign key contraints
TRUNCATE TABLE sometable;
                                                                                                                                                                    DELETE FROM sometable
WHERE somevalue = 'something';
                                                                                  xmlpi
xmlroot
                                                                                                                                                                  MISCELLANEOUS EXAMPLES
                                                                                                                                                                                       *
FROM orders
WHERE order_rating
BETWEEN 'bronze' AND 'gold'
ORDER BY order_rating;
                                                                                  plpgsql
plperl(u)
plphp
plproxy
plpython
  Math Functio
 This is a subset abs cort ceiling degrees exp floor log ln mod pi power radians random sqrt trunc
                                                                                  plr
plruby
plsh
pltcl
sql
                                                                                                                                                                  SELECT monthperiod.*,

array_to_string[aRRAY(SELECT (d + 1)::varchar(20)

FROM generate_series(0,30) d

WHERE monthperiod.start_date + (d || ' day')::interval

BETNEEN monthperiod.start_date

AND

monthperiod.end_date), ',') as thedays

FROM (SELECT (n + 1) As mnum,

trimito_dard_date') + (n || ' month')::interval,

trimito_dard_date' 2007-01-01' + (n || ' month')::interval,
                                                                                 columns
                                                                                                                                                                    monthperiod.end_date|, ',' | as thedays
FROM (SSLECT (n + 1) As mnum,
trim(to_char(date '2007-01-01' + (n || ' month')::interval, 'Mon')) As short_mname,
trim(to_char(date '2007-01-01' + (n || ' month')::interval, 'Month')) As long_mname,
date '2007-01-01' + (n || ' month')::interval As start_date,
date '2007-01-01' + ((n + 1) || ' month')::interval + - '1 day'::interval As end_date
FROM generate_series(0,11) n) As monthperiod;
                                                                                Key pg_cata
                                                                                pg_class
pg_rules
pg_settings
pg_stat_activity
pg_stat_database
pg_tablespaces
                                                                                                                                                                    EXPLAIN ANALYZE SELECT * FROM sometable;
  Trig Fur
                                                                                                                                                                  COMMAND LINE EXAMPLES
These are located in bin folder of PostgreSQL
To get more info about each do a --help e.g. psgl --help
                                                                                 Large Object
Server Client
                                                                                                                                                                  pg_dump -i -h someserver -p 5432 -U someuser -F c -b -v -f "\somepath\somedb.backup" somedb
pg_dumpall -i -h someserver -p 5432 -U someuser -c -o -f "\somepath\alldbs.sql"
pg_restore -i -h someserver -p 5432 -U someuser -d somedb -l "\somepath\somedb.backup"
psql -h someserver -p 5432 -U someuser -d somedb -f "\somepath\somefiletorun.sql"
psql -h someserver -p 5432 -U someuser -d somedb -f "\sometime (REREIT fiblic sometable (st_id serial, st_name varchar(25))"
                                                                                                                                                                  PTow/anguiroms
psql -h sommeserver -p 5432 -U sommeuser -d sommedb -P "t" -c "SELECT query_to_xml('select * from sommetable', false, false, 'sommetable')" -o "outputfile.xml";
```

http://www.postgresonline.com