```
Official PostgreSQL 8.3 Documentation URL: http://www.postgresql.org/docs/8.3/static/
 commonly used
                                                                                                 pg_restore
osql
                                                                                                                                                                                                   DATA TYPES
                                                                                                JOIN Types
                                                                                                CROSS JOIN
                                                                                               CROSS JOIN
EXCEPT (ALL)
FULL JOIN
[INNER] JOIN
INTERSECT (ALL)
LEFT JOIN
NATURAL JOIN
RIGHT JOIN
UNION (ALL)
                                                                                                                                                                                                  datatype[] - e.g. varchar(50)[] (defines an array of a type)
                                                                                                                                                                                                     bit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       numeric(length,precision)
  pg_total_relation_size
set_config
vacuum analyze verbose
vacuum full
                                                                                                                                                                                                      boolean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       oid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       old
serial - serial4
bigserial - serial8
                                                                                                                                                                                                   bytea
bytea
character varying(length) - varchar(length)
character(length) - char(length)
date
enum 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      bigSeries - text
time without timezone - time
time with timezone - timez
timestamp without timezone - timestamp
timestamp with timezone - timestampz
. 1
  cast, ::
coalesce
generate_series
greatest
least
nullif
random
                                                                                                SQL Keywords
                                                                                                                                                                                                      double precision - float4 float8
                                                                                                BETWEEN . AND
CASE WHEN . END
DELETE FROM
                                                                                                                                                                                                     integer - int4
bigint - int8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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;
                                                                                                 FROM
GROUP BY
                                                                                                 HAVING
ILIKE
  String Fun
                                                                                                                                                                                                  --from tab delimited where NULLs appear as NULL
COPY sometable FROM "/path/to/textfile.txt" USING DELIMITERS '\t' WITH NULL As 'NULL';
                                                                                                 LIMIT ..OFFSET
    ||
ascii
                                                                                                NOT
NOT IN(..
                                                                                                                                                                                                  -Example exporting a query to a comma separated (CSV) called textfile.cov
-acting NULLS to text NULL

COPY (SELECT * FROM sometable WHERE somevalue LIKE '%') TO '/path/to/textfile.csv'
WITH NULL As 'NULL' CSV HEADER QUOTE AS '*';
  chr
initcap
length
lower
lpad
ltrim
                                                                                                NULLS FIRST<sup>1</sup>
                                                                                                 NULLS LAST<sup>1</sup>
ORDER BY
                                                                                                 SELECT
                                                                                                                                                                                                     vacuum analyze verbose;
atrim
mds
position
quote_ident
quote_literal
regexp_matches
regexp_replace
regexp_split_to_array
regexp_split_to_table
repeat
repeat
repeat
rapid
rutrim
split_part
strpos
substr
trim
upper
                                                                                                SET
SIMILAR TO
                                                                                                                                                                                                     vacuum sometable;
vacuum full;
                                                                                                               CATE TABLE
                                                                                                 UPDATE
                                                                                                USING
WHERE
                                                                                                                                                                                                     --Kills all active queries in selected db and list out process id
                                                                                                                                                                                                   -mas an acute queines as macked or an air as our process u
-mad usename of process and f Mil successful
SELECT procpid, usename, pg_cancel_backend(procpid)
FROM pg_stat_activity
WHERE datname = 'somedb';
                                                                                                Aggregat
                                                                                                 avg
bit_and
                                                                                                                                                                                                   JOIN EXAMPLES
                                                                                                 bit_or
boolean_and
                                                                                                                                                                                                       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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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
                                                                                                 boolean_or
                                                                                                 count
count(DISTINCT)
every
                                                                                                                                                                                                      FROM orders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FROM xorders o
INNER JOIN xorderitems i ON o.order_id = i.order_id
                                                                                                                                                                                                     INNER JOIN orderitems i ON o.order_id = i.order_id
GROUP BY o.order_id, o.order_date, o.approved_date
HAVING SUM(i.unit_price*i.num_units) > 200
ORDER BY o.approved_date NULLS FIRST;
                                                                                                every
max
min
stddev
stddev_pop (a bunch more)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GROUP BY o.order_id, o.order_date
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UNION ALL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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
   current_date
current_time
current_timestamp
current_user
localtime
                                                                                                 sum(DISTINCT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FROM yorders or orderitems i ON o.order_id = i.order_id

GROUP BY o.order_id, o.order_date

ORDER BY 1,3,2;
                                                                                                xml agg<sup>1</sup>
 age
date_part(text, timestamp)
century
day
decade
dow
doy
epoch
hour
month
quarter
second
week
year
interval
to_dar
to_dar
to_date_busetamp
busetamp
to_timestamp
busetamp
to_timestamp
busetamp
                                                                                                                                                                                                  DDL EXAMPLES
                                                                                                 CREATE CAST
CREATE (DEFAULT) CONVERSION
                                                                                                                                                                                                                                                                                                                                                                                                                    CREATE TABLE orders(
order_id serial NOT NULL,
order_addeddt timestamp without time zone,
                                                                                                                                                                                                   CREATE DATABASE somedb
                                                                                               CREATE DATABASE
CREATE DOMAIN
CREATE [OR REPLACE] FUNCTION
CREATE (UNIQUE) INDEX
                                                                                                                                                                                                         WITH OWNER = somelogin
ENCODING = 'WIN1252';
                                                                                                                                                                                                                                                                                                                                                                                                                              order_rating rating,
CONSTRAINT pk_orders_order_id PRIMARY KEY (order_id)
                                                                                                 CREATE LANGUAGE
CREATE OPERATOR
                                                                                              CREATE OPERATOR FAMILY 1
CREATE OPERATOR FAMILY 1
CREATE ROLE
CREATE RILE
CREATE RILE
CREATE SCHEMA
CREATE SCHEMA
CREATE TABLE
OFFERE T
                                                                                                                                                                                                                                                                                                                                                                                                                        WITH (OIDS=FALSE);
                                                                                                                                                                                                     CREATE TYPE rating AS
  ENUM('none', 'bronze', 'silver',
    'gold', 'platinum');
                                                                                                                                                                                                                                                                                                                                                                                                                     CREATE OR REPLACE FUNCTION cp_test(somearg integer)
RETURNS SETOF sometable AS
$$SELECT * FROM sometable where msg_id = $1;$$
LANGUAGE 'sql' STABLE;
                                                                                                                                                                                                     CREATE AGGREGATE sum(text) (
                                                                                                                                                                                                            SFUNC=textcat,
STYPE=text
                                                                                                 DROP [object]
                                                                                                                                                                                                   UPDATE/INSERT/DELETE EXAMPLES
     verlaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UPDATE sometable
SET calccount = s.thecount
FROM (SELECT COUNT(someothertable.someid) as thecount,
someothertable.someid
FROM someothertable comeid) s
                                                                                                                                                                                                      UPDATE sometable
SET somevalue = 5
WHERE sometable.somename = 'stuff';
                                                                                               > < <= >= = enum_cmp
enum_first
enum_larger
enum_last
enum_range
enum_smaller
 ANY(array)
ARRAY[(4,5,6],...]
ARRAY[4,5,6],...]
ARRAY[0,array]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GROUP BY someothertable.someid) s
WHERE sometable.someid = s.someid;
                                                                                                                                                                                                       --This only works on 8.1+ --
                                                                                              database_to_xml
database_to_xmschema
query_to_xml
query_to_xml
query_to_xml
and_xmlschema
table_to_xml
xmlattributes
xmlcoment
xmlconcat
xmlcorest
xmlcorest
xmlcorest
                                                                                                                                                                                                   INSERT INTO orders(order_addeddt, order_rating)
VALUES ('2007-10-01 20:40', 'gold'),
('2007-09-01 11:00 AM', 'silver'),
('2007-09-02 10:00 PM', 'nome'),
('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
                                                                                                                                                                                                      DELETE FROM sometable
WHERE somevalue = 'something';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -Also only works on tables not referenced in foreign key of TRUNCATE TABLE sometable;
                                                                                                xmlrore
xpath
xmlpi
xmlroot
                                                                                                                                                                                                   MISCELLANEOUS EXAMPLES
                                                                                                                                                                                                  --Enum range query using enum defined above - returns all orders in (bronze, silver, gold)
--Sorts in order bronze, silver, gold. Keep in mind if you reverse gold and bronze you get nothing
SELECT *
                                                                                                                                                                                                                             FROM orders
WHERE order_rating
BETWEEN 'bronze' AND 'gold'
ORDER BY order_rating;
                                                                                                 pljava
                                                                                               plproxy
plpython
plr
plruby
plsh
pltcl
sql
 This is a subset abs cbrt ceiling degrees exp floor log ln mod pi power radians random sqrt trunc
                                                                                                                                                                                                   SELECT monthperiod.*,
array_to_string(ARRAY(SELECT (d + 1)::varchar(20)
FROM generate_series(0,30) d
WHERE monthperiod.start_date + (d | | ' day')::interval
                                                                                                                                                                                                      WHERE monthperiod.start_date + (d || ' day')::interval
BETWEEN monthperiod.start_date
AND
monthperiod.end_date), ',') as thedays

FROM (SELECT (n + 1) As mnum,

FROM (SELECT (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_meriee(,011) n) As monthperiod'
                                                                                                Key inform
                                                                                                columns
sequences
                                                                                                 tables
views
                                                                                                Key pg_ca
                                                                                               pg_class
pg_rules
pg_settings
pg_stat_activity
pg_stat_database
pg_tablespaces
  Trig Fu
                                                                                                                                                                                                   COMMAND LINE EXAMPLES
                                                                                                                                                                                                  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.agl"
pg_restore -i -h someserver -p 5432 -U someuser -d somedb -l "\somepath\somedb.backup"
paql -h someserver -p 5432 -U someuser -d somedb -f "\somepath\somefiletorum.agl"
paql -h someserver -p 5432 -U someuser -d somedb -c "\sometath\somefiletorum.agl"
                                                                                               lo_creat lo_close
lo_create lo_creat
lo_export lo_create
lo_import lo_export
lo_unlink lo_import
lo_lseek
lo_open
lo_read
lo_tell
lo_unlink
                                                                                                                                                                                                  -r unyoupurows
psql -h someserver -p 5432 -U someuser -d somedb -P "t" -c "SELECT query to xml('select * from sometable', false, false, 'sometable')" -o "outputfile.xml";
```

http://www.postgresonline.com