
**DATA TYPES**

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>double precision</td>
<td>Numeric type for floating-point numbers</td>
</tr>
<tr>
<td>date</td>
<td>Date type</td>
</tr>
<tr>
<td>time</td>
<td>Time type</td>
</tr>
<tr>
<td>timestamp without time zone</td>
<td>Time stamp without time zone type</td>
</tr>
<tr>
<td>interval</td>
<td>Interval type</td>
</tr>
</tbody>
</table>

**Date Functions**

- **Date Predicates**
  - BETWEEN
  - <=
  - >=
  - =
  - <>
  - LIKE
  - TRUNCATE
  - CAST

- **Date Functions**
  - LOCALTIME
  - CENTURY
  - REPEAT
  - CURRENT_USER
  - DATE_PART
  - REGEXP_SPLIT_TO_TABLE
  - AGE

- **Date Constructs**
  - FROM
  - TRUNCATE
  - TRUNCATE TABLE

**Function Examples**

```sql
SELECT date_part('month', date '2007-01-01' + (n || ' month')::interval) AS long_mname,
       monthperiod.end_date,
       array_upper(array_to_string(to_char(date '2007-01-01' + (n || ' month')::interval, 'Month') AS long_mname, thedays)
FROM monthperiod
WHERE monthperiod.start_date + (d || ' day')::interval BETWEEN monthperiod.start_date + (d || ' day')::interval AND monthperiod.end_date + (d || ' day')::interval
```

**CLI**

- **COPY**
  - `COPY (SELECT * FROM sometable) TO '/path/to/textfile.csv'` (Example exporting a query to a comma separated (CSV) called textfile.csv from tab delimited where NULLs appear as NULL)

**Stand-alone client tools**

- `psql -h someserver -p 5432 -U someuser -d somedb -P t "t" -c "SELECT query_to_xml('select * from sometable', false, false, 'sometable')" -o "outputfile.xml"`;
  - `-P "t" only output rows
  - 1 New XML feature - output query as xml

- `pg_restore -i -h someserver -p 5432 -U someuser -d somedb -l "somepath\somedb.backup"`

**Admin Functions**

- `pg_size_pretty(pg_relation_size('someschema .sometable')) as tblsize;
  - pg_size_pretty(pg_database_size('somedb')) as dbsize,
  - pg_size_pretty(pg_database_size('somedb')) as dbsize,

**Miscellaneous Examples**

- `SELECT 'x' As bucket, o.order_id, o.order_date, o.approved_date
  WHERE monthperiod.start_date + (d || ' day')::interval BETWEEN monthperiod.start_date + (d || ' day')::interval AND monthperiod.end_date + (d || ' day')::interval
  GROUP BY o.order_id, o.order_date
  ORDER BY o.order_id, o.order_date, o.approved_date
  HAVING (SUM(i.unit_price*i.num_units) > 0)
  ORDER BY total
  ORDER BY total

- `SELECT * FROM sometable
  WHERE monthperiod.start_date + (d || ' day')::interval BETWEEN monthperiod.start_date + (d || ' day')::interval AND monthperiod.end_date + (d || ' day')::interval
  GROUP BY o.order_id, o.order_date
  ORDER BY o.order_id, o.order_date, o.approved_date
  HAVING (SUM(i.unit_price*i.num_units) > 0)
  ORDER BY total
  ORDER BY total

**Command line examples**

- `pg_dump -h someserver -p 5432 -s someserver -f 'tomopath/somedb.backup' somedb`

- `psql -h someserver -p 5432 -s someserver -d somed -t "select * from sometable"`

- `psql -h someserver -p 5432 -s someserver -d somed -t "select * from sometable"`

- `psql -h someserver -p 5432 -s someserver -d somed -t "select * from sometable"`

- `psql -h someserver -p 5432 -s someserver -d somed -t "select * from sometable"`

- `psql -h someserver -p 5432 -s someserver -d somed -t "select * from sometable"`