







```
SQL Shell (psql)
pastryp=# select row number() over (order by name) num, name from candys;
num
        name
      carame1
  1
      chocolate
      grillage
      iris
(4 строки)
pastryp=# select row_number() over (order by name) num, name from retail;
num
        name
      Conditer
      Saharok
      Slastena
      Uslada
(4 строки)
pastryp=# select row_number() over (order by name) num, name from prov;
num
       name
      KDV
  1
      Roschen
  3
      Skazka
  4 Vizher
(4 строки)
```

```
SQL Shell (psql)
                                                                                                    pastryp=# select abs(100) x1, abs(-100) x2, abs(-100.2) x3;
    x2
         x3
100 | 100 | 100.2
(1 строка)
pastryp=# select ceil(100) x1, ceil(-100) x2, ceil(100.2) x3, ceil(-100.2) x4;
           x3 x4
       x2
100 | -100 | 101 | -100
(1 строка)
pastryp=# select floor(100.22) x1, floor(-100.22) x2, floor(100.99) x3, floor(100.01) x4;
x1
       x2
          x3 x4
100 | -101 | 100 | 100
(1 строка)
pastryp=# select trunc(100.25678) x1, trunc(-100.25678) x2, trunc(100.99) x3, trunc(100.25678, 2) x4;
x1
       x2 x3
100 | -100 | 100 | 100.25
(1 строка)
pastryp=# select round(100.25678) x1, round(100.5) x2, round(100.99) x3, round(100.25678, 2) x4;
    x2 x3
x1
                    x4
100 | 101 | 101 | 100.26
(1 строка)
pastryp=# select sign(100.22) x1, sign(-100.22) x2, sign(0) x3;
x1 x2 x3
 1 -1
(1 строка)
pastryp=# select mod(10, 3) x1, mod(10, 2) x2, mod(100, 98) x3;
x1 x2 x3
 1 |
(1 строка)
```

```
SQL Shell (psql)
pastryp=# select power(10, 2) x1, power(100, 0.5) x2, power(1000, 0.33333333) x3, power(1000, -0.33333333) x4;
100 | 10.000000000000000 | 9.9999997697414934 | 0.1000000023025851
(1 строка)
pastryp=# select sqrt(100) x;
X
10
(1 строка)
pastryp=# select exp(1) x1, ln(1) x2, ln(exp(2)) x3;
             x2 x3
2.718281828459045 | 0 | 2
(1 строка)
pastryp=# select log(2,8) x1, log(10, 100) x2;
(1 строка)
pastryp=# select sin(0) x1, cos(0) x2, tan(0) x3, cot(0) x4;
x1 x2 x3
0 | 1 | 0 | Infinity
(1 строка)
pastryp=# select lower('Test') x;
X
test
(1 строка)
pastryp=# select upper('Text') x;
TEXT
(1 строка)
pastryp=# select initcap('test message') x;
```

```
SQL Shell (psql)
                                                                                             pastryp=# select initcap('test message') x;
     X
Test Message
(1 строка)
pastryp=# select ltrim('   Text message') x1, ltrim('   _  # Text message', ' #_') x2
pastryp-# union all
pastryp-# select rtrim('Text message ') x1, rtrim('Text message _ # ', '#_') x2;
Text message | Text message
Text message | Text message _ #
(2 строки)
pastryp=# select ltrim(' Text message') x1, ltrim(' # Text message', ' # ') x2
pastryp-# union all
x1
                  x2
Text message | Text message
Text message | Text message
(2 строки)
pastryp=# select replace('У попа была собака', 'собака', 'кошка') x;
У попа была кошка
(1 строка)
pastryp=# select translate('Test 12345', 'e2', 'E!') x;
TEst 1!345
(1 строка)
pastryp=# select length('Text message') x;
X
12
(1 строка)
pastryp=# select ascii('Text') x;
```

```
SQL Shell (psql)
                                                                                                         pastryp=# select ascii('Text') x;
84
(1 строка)
pastryp=# select chr(84) x;t') x
(1 строка)
pastryp'# select now();
pastryp'# '
pastryp-#;
ОШИБКА: ошибка синтаксиса (примерное положение: "t")
CTPOKA 1: t') x
pastryp=# select chr(84) x;
(1 строка)
pastryp=# select now();
              now
2023-05-22 16:22:59.894086+03
(1 строка)
pastryp=# select date_trunc('hour', now()) d1;
           d1
2023-05-22 16:00:00+03
(1 строка)
pastryp=#
```