Some tricks for psql

Pavel Stěhule

psql

- Basic client
- Old interface (from 70era)
- Fast

•

Variables

- \set name value
- \unset varname
- \gset prefix
- \prompt text varname
- \getenv varname envvarname
- :varname, :'varmame',:"varname"

Using variables like macro

(3 rows)

Using shell

```
postgres=# \! date
Út 17. května 2022, 08:41:09 CEST

postgres=# \set myhome `echo $HOME`
postgres=# \echo :myhome
/home/pavel
```

Command \g

- \g opts file
- \g opts | pipe
- \gdesc
- \gexec
- \gx

Using clipboard from psql

```
select * from obce \q (format=csv)
   | cat > tmpfile.csv; libreoffice --view --calc tmpfile.csv
   "--infilter='Text - txt - csv (StarCalc)':44,34,0,1"; rm tmpfile.csv
select * from pg class limit 10 \g (format=csv tuples only=off csv fieldsep='\t')
   | wl-copy -t application/x-libreoffice-tsvc
\set gclip '\\g (format=csv tuples only=off csv fieldsep=\'\\t\')
| wl-copy -t application/x-libreoffice-tsvc'
select * from pg class limit 10 :gclip
```

\gexec

```
SELECT format('CREATE TABLE %I(a int)', 'foo' || i)
FROM generate_series(1,100) g(i) \gexec
```

Pager in Unix

- Called by application when output is longer, wider than screen
- More, less, pspg, ...

pspg

- Correct display wide table
- Fixing columns
- Sort rows by some column
- Supports searching
- Supports clipboard