



How to play Wordle in PostgreSQL

Nordic PgDay 2025

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Social

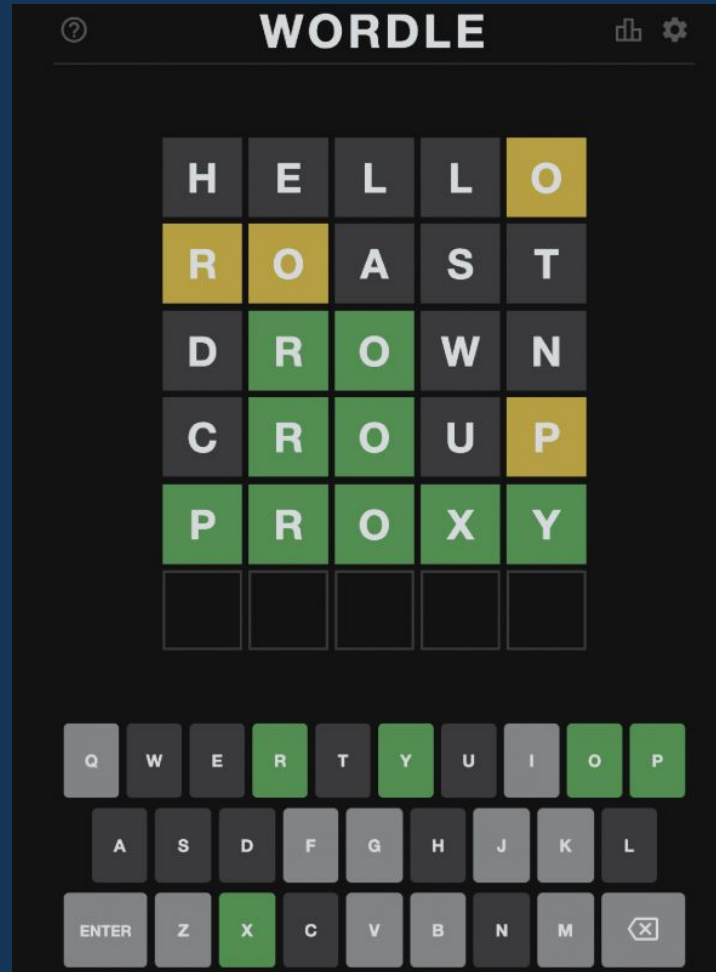
[pashagolub.github.io](https://github.com/pashagolub)

WEB

www.cybertec-postgresql.com



What is Wordle?



Postgresqldle word set

```
wordle=# select word from pg_get_keywords() where length(word) = 5;
```

```
abort, admin, after, alter, array, begin, cache, chain, check,  
class, close, cross, cycle, event, false, fetch, first, float,  
force, grant, group, ilike, index, inner, inout, input, label,  
large, least, level, limit, local, match, month, names, nchar,  
nulls, order, outer, owned, owner, plans, prior, quote, range,  
reset, right, setof, share, start, stdin, strip, sysid, table,  
treat, types, union, until, using, valid, value, views, where,  
write, xmlpi  
(65 rows)
```

Postgresqldle: color similarity

```
wordle=# WITH chars AS ( SELECT
  string_to_table('types', NULL) AS g,
  string_to_table('table', NULL) AS w)
SELECT w, g,
CASE WHEN g=w THEN '■'
      WHEN strpos('table', g) > 0 THEN '■'
      ELSE '■' END
```

```
FROM chars;
 w | g | case
---+---+-----
 t | t | ■
 a | y | ■
 b | p | ■
 l | e | ■
 e | s | ■
(5 rows)
```

EXAMPLE: find most similar words

```
wordle=# WITH words AS (  
  SELECT DISTINCT ON (LEAST(kw.word, gw.word), GREATEST(kw.word, gw.word))  
  kw.word AS w, gw.word AS g  
  FROM pg_get_keywords() AS kw, pg_get_keywords() AS gw  
  WHERE length(kw.word) = 5 AND length(gw.word) = 5 AND kw.word <> gw.word)  
SELECT w, g, wordle_common_int(g, w) AS s, wordle_common(g, w) AS c  
FROM words ORDER BY s DESC, c DESC LIMIT 20;
```

w	g	s	c
owner	owned	8	
inout	input	8	
alter	after	8	
index	inner	7	
close	class	7	
owner	order	7	
close	cross	7	
table	label	7	
large	range	7	
plans	class	7	
owner	inner	7	

value	valid	6	
until	union	6	
strip	stdin	6	
large	label	6	
start	share	6	
cache	cycle	6	
close	cycle	6	
order	outer	6	
class	cross	6	

(20 rows)

PostgreSQL wordle

DEMO



<https://github.com/pashagolub/pgwordle>

Pray to your gods!

```
postgres@4b28734a9955:/$ psql
Use ":wordle" to begin the game!
psql (17.4 (Debian 17.4-1.pgdg120+2))
Type "help" for help.
```

```
postgres=# █
```



```
postgres=# :wordle
```

Menu:

- w – Set the word set to use (default pg_keywords)
- f – Set distance function to use (default wordle_std)
- b – Begin the game!

Type your choice and press <Enter>:

```
█
```

Type your guess and press <Enter>:

table

id	guess	distance	tip
1	table	8	■ ■ ■ ■ ■

(1 row)

Type your guess and press <Enter>:

█

Type your guess and press <Enter>:
alter

id	guess	distance	tip
1	table	8	■ ■ ■ ■ ■
2	bloat	8	■ ■ ■ ■ ■
3	alter	7	■ ■ ■ ■ ■

(3 rows)

Type your guess and press <Enter>:
█

Type your guess and press <Enter>:
until

id	guess	distance	tip
1	table	8	■ ■ ■ ■ ■
2	bloat	8	■ ■ ■ ■ ■
3	alter	7	■ ■ ■ ■ ■
4	until	0	■ ■ ■ ■ ■

(4 rows)

YES! YOU ARE THE WINNER!
Press <Enter> to continue...

DON'T BE A STRANGER



PERSONAL GITHUB

www.github.com/pashagolub



CYBERTEC BLOG

www.cybertec-postgresql.com/en/blog/



CYBERTEC GITHUB

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