

Simple postgresql

```
[root@dev adhamdockers]# docker volume ls
DRIVER      VOLUME NAME
local       af90915c783adc37eecfd672b3a2c836cabb545c7bfbbc531f29b8f7d8492989
local       postgres_vol
[root@dev adhamdockers]#
```

```
[root@dev adhamdockers]# docker run -it -d --name postgres_cont -e POSTGRES_PASSWORD=1234 -p 4445:5432 -v postgres_vol:/cont4 postgres
Unable to find image 'postgres:latest' locally
latest: Pulling from library/postgres
2d429b9e73a6: Already exists
3234e936b543: Pull complete
b5b68d2b7dfa: Pull complete
2bc4b686b410: Pull complete
0e741c16b01d: Pull complete
febd2e801cbc: Pull complete
abad6e2f102b: Pull complete
fc0ed0630c16: Pull complete
15ea73ccc174: Pull complete
bc241f8dfdda: Pull complete
e6b9724cd240: Pull complete
87f78d636266: Pull complete
4bd7a2dad750: Pull complete
4c07baf06858: Pull complete
Digest: sha256:994cc3113ce004ae73df11f0dbc5088cbe6bb0da1691dd7e6f55474202a4f211
Status: Downloaded newer image for postgres:latest
2b82c6f2dcede4dfe46258bf9cbb1163ea9d24e7df0ed990f617e77864286980
[root@dev adhamdockers]#
```

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```
[root@dev adhamdockers]# docker exec -it postgres_cont psql -U postgres
psql (17.2 (Debian 17.2-1.pgdg120+1))
Type "help" for help.
```

```
postgres=# CREATE DATABASE adhm;
CREATE DATABASE
postgres=# \c adhm
You are now connected to database "adhm" as user "postgres".
adhm=#
adhm=#
adhm=# CREATE TABLE employees (
        id SERIAL PRIMARY KEY,
        name VARCHAR(100),
        age INT
    );
CREATE TABLE
adhm=# INSERT INTO employees (name, age) VALUES ('adham', 30);
INSERT INTO employees (name, age) VALUES ('abdein', 25);
INSERT 0 1
INSERT 0 1
adhm=#
```

```

adhm=# SELECT * FROM employees WHERE age = 30;
 id | name  | age
----+-----+----
  1 | adham |  30
(1 row)

adhm=# \q
[root@dev adhamdockers]#

```

```

[root@dev adhamdockers]# docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS
2b82c6f2dced   postgres      "docker-entrypoint.s..." 19 minutes ago Up 19 minutes 0.0.0.0:4445->5432/tcp
p, [::]:4445->5432/tcp      postgres_cont
ba94e4c6721c   mysql:latest  "docker-entrypoint.s..." 2 hours ago    Up 2 hours    33060/tcp, 0.0.0.0:4444->3306/tcp, [::]:4444->3306/tcp
adham_sql
[root@dev adhamdockers]#
[root@dev adhamdockers]# docker images
REPOSITORY    TAG        IMAGE ID      CREATED        SIZE
nodeimg       latest    8cbd690d2913 21 hours ago   909MB
adhampython-app-image latest    de103994e0ca 3 days ago     137MB
postgres      latest    80cbdc6c3301 5 days ago     435MB
mysql         latest    56a8c14e1404 6 weeks ago    603MB
nginx         latest    60c8a892f36f 8 weeks ago    192MB
alpino_adham  latest    33d3b511411e 2 months ago   7.8MB
alpino_adhamm latest    33d3b511411e 2 months ago   7.8MB
alpine_hello  latest    33d3b511411e 2 months ago   7.8MB
hello-world   latest    d2c94e258dc 19 months ago  13.3kB

```

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Go to Settings to activate Windows.