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Postgresql database in docker

Step 1:- Create an EC2 instance
Ports:22, 5432

Step 2:- Connect to EC2 instance

Step 3:- Install Docker Engine latest version
https://docs.docker.com/engine/install/ubuntu/ (for ubuntu)

Step 4:- Pull postgres image

```
root@ip-172-31-30-167:~/postgres# docker pull postgres
Using default tag: latest
latest: Pulling from library/postgres
8a1e25ce7c4f: Pull complete
002317ed8722: Pull complete
c223965bd9a8: Pull complete
847682431a68: Pull complete
8d29ba654727: Pull complete
fd133663e42b: Pull complete
13de11c6ecda: Pull complete
45bb35744214: Pull complete
d4082e63ce2c: Pull complete
269f33c511c1: Pull complete
7cbaf3c85093: Pull complete
f1c82efa0dcd: Pull complete
e9d0d3c40657: Pull complete
68bf5c580643: Pull complete
Digest: sha256:6b841c8f6a819884207402f1209a8116844365df15fca8cf556fc54a24c70800
Status: Downloaded newer image for postgres:latest
docker.io/library/postgres:latest
root@ip-172-31-30-167:~/postgres# docker images
REPOSITORY   TAG       IMAGE ID       CREATED       SIZE
postgres     latest    b9390dd1ea18   4 weeks ago   431MB
```

Step 5:- Create container using Image and log in to create database

docker run -d -p 5432:5432 -e POSTGRES_USER=<user> -e POSTGRES_PASSWORD=<password> <imageID>

```
root@ip-172-31-30-167:~/postgres# docker run -d -p 5432:5432 -e POSTGRES_USER=root -e POSTGRES_PASSWORD=1234 b93
d615915aaf7dc358a9e1f37aeafc285c3f511844b88753de796f660ef670f212
root@ip-172-31-30-167:~/postgres# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED          STATUS          PORTS                                       NAMES
d615915aaf7d   b93       "docker-entrypoint.s…"   5 seconds ago    Up 4 seconds    0.0.0.0:5432->5432/tcp, :::5432->5432/tcp   busy_bartik
root@ip-172-31-30-167:~/postgres#
```

Step 6:- Logging in

docker exec -it cont.id psql -U <user>

```
root@ip-172-31-30-167:~/postgres# docker exec -it d61 psql -U root
psql (16.2 (Debian 16.2-1.pgdg120+2))
Type "help" for help.

root=#
```