Aula-13-01-2025 PWD Criação BD MySql

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Turma: P4 de Informática

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Prompt-02

Como um programador de Banco de Dados, crie um Tutorial para instalar um Banco de Dados Mysql no PlaywithDocker. Crie um Docker file que cria uma imagem e em seguia cria um banco de dados chamado BD_ALUNOS com a senha de root kid_aluno e cria as tabelas TB_ALUNOS e TB_PROFESSORES.

```
WARNING!!!!
# This is a sandbox environment. Using personal credentials
# is HIGHLY! discouraged. Any consequences of doing so are
completely the user's responsibilites.
The PWD team.
ode1] (local) root@192.168.0.8 ~
mkdir mysql-docker
node1] (local) root@192.168.0.8 ~
cd mysgl-docker
    1] (local) root@192.168.0.8 ~/mysql-docker
 touch Dockerfile
  del] (local) root@192.168.0.8 ~/mysql-docker
 nano Dockerfile
bash: nano: command not found
[node1] (local) root@192.168.0.8 ~/mysql-docker
 vi Dockerfile
    1] (local) root@192.168.0.8 ~/mysql-docker
touch init.sql
 odel] (local) root@192.168.0.8 ~/mysql-docker
 vi init.sql
 ode1] (local) root@192.168.0.8 ~/mysql-docker
 docker build -t mysql-alunos .
```

```
docker build -t mysql-alunos
    Building 23.4s (7/7) FINISHED
                                                                                                                                    docker:default
   SecretsUsedInArgOrEnv: Do not use ARG or ENV instructions for sensitive data (ENV "MYSOL ROOT PASSWORD") (line 2)
 docker run --name mysql-alunos -d -p 3306:3306 mysql-alunos a41217874dc37527993740c5c72cd6cb57a88284e817012146a21551bca0e9f docker exec -it mysql-alunos mysql -u root -p
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
 node1] (local) root@192.168.0.8 ~/mysql-docker
docker exec -it mysql-alunos mysql -u root -p
 nter password:
Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 9
Server version: 9.1.0 MySQL Community Server - GPL
 opyright (c) 2000, 2024, Oracle and/or its affiliates.
Dracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
wners.
ype 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
nysql> show databases;
  Database
  BD ALUNOS
   information_schema
  mysql
  performance_schema
  sys
 rows in set (0.01 sec)
mysql> use BD_ALUNOS;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
Database changed
mysql> SHOW TABLES;
  Tables_in_BD_ALUNOS |
  TB_ALUNOS
  TB PROFESSORES
2 rows in set (0.00 sec)
mysql> cat Dockerfile
 mysql> cat Dockerfile
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MyS
QL server version for the right syntax to use near 'cat Dockerfile' at line 1
 nysql> .quit
      -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '.quit' at line 1
 mysql> exit
Вуе
        1] (local) root@192.168.0.8 ~/mysql-docker
 $ cat Dockerfile
FROM mysql:latest
ENV MYSQL_ROOT_PASSWORD=kid_aluno
ENV MYSQL_DATABASE=BD_ALUNOS
COPY init.sql /docker-entrypoint-initdb.d/
 EXPOSE 3306
            (local) root@192.168.0.8 ~/mysql-docker
 $ cat init_sql
 cat: can't open 'init_sql': No such file or directory [node1] (local) root@192.168.0.8 ~/mysql-docker
$ cat init.sql
 CREATE TABLE IF NOT EXISTS TB_ALUNOS (
id INT AUTO_INCREMENT PRIMARY KEY,
nome VARCHAR(100) NOT NULL,
      idade INT NOT NULL
 CREATE TABLE IF NOT EXISTS TB PROFESSORES (
id INT AUTO INCREMENT PRIMARY KEY,
```