# Banco de dados

Atividade 05: 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.

## Criação do diretório e arquivo docker

```
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.
el] (local) root@192.168.0.8 ^
 mkdir mysql-docker
 ode1] (local) root@192.168.0.8 ~
 ^[[200~cd mysql-docker
bash: $'\E[200~cd': command not found
[node1] (local) root@192.168.0.8 ~
 cd mysgl-docker
[node1] (local) root@192.168.0.8 ~/mysql-docker
 touch Dockerfile
[node1] (local) root@192.168.0.8 ~/mysql-docker
 nano Dockerfile
bash: nano: command not found
nodel] (local) root@192.168.0.8 ~/mysql-docker
 vi Dockerfile
[node1] (local) root@192.168.0.8 ~/mysql-docker
6 touch init.sql
[node1] (local) root@192.168.0.8 ~/mysql-docker
$ nano init.sql
bash: nano: command not found
[node1] (local) root@192.168.0.8 ~/mysql-docker
 na init.sql
bash: na: command not found
 odel] (local) root@192.168.0.8 ~/mysql-docker
   le1] (local) root@192.168.0.8 ~/mysql-docker
```

#### Criação das tabelas TB\_ALUNOS & TB\_PROFESSORES

```
1 CREATE TABLE TB_ALUNOS (
2 id INT AUTO_INCREMENT PRIMARY KEY,
3 nome VARCHAR(100) NOT NULL,
4 idade INT NOT NULL
5 );
6
7 CREATE TABLE TB_PROFESSORES (
8 id INT AUTO_INCREMENT PRIMARY KEY,
9 nome VARCHAR(100) NOT NULL,
10 disciplina VARCHAR(100) NOT NULL
11 );
```

## Criação da IMAGEM Docker

# Visualização das tabelas criadas

```
el] (local) root@192.168.0.8 \sim/mysql-docker
$ docker run --name mysql-alunos -d -p 3306:3306 mysql-alunos
9f804dd47a506e5e9c90935ea4585fddb8b577aedd4415954df1ef72c251929b
 nodel] (local) root@192.168.0.8 ~/mysql-docker
$ docker exec -it mysql-alunos mysql -u root -p
Enter password:
Welcome to the MySQL monitor.
                               Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 9.1.0 MySQL Community Server - GPL
Copyright (c) 2000, 2024, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
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)
```