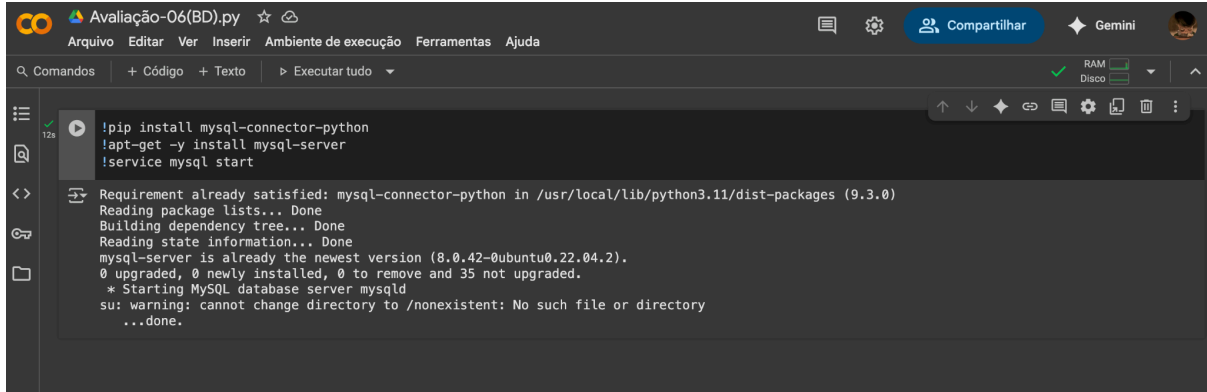


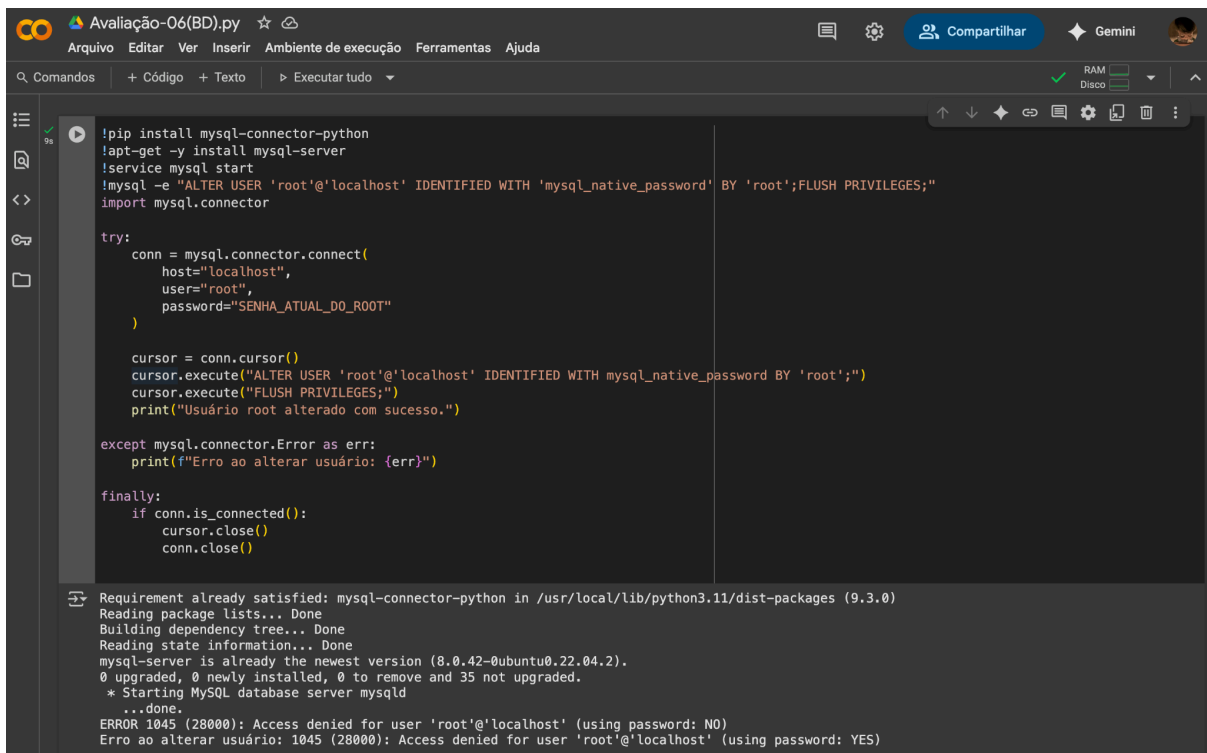
# Avaliação-06| Banco de Dados

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```
!pip install mysql-connector-python
!apt-get -y install mysql-server
!service mysql start

Requirement already satisfied: mysql-connector-python in /usr/local/lib/python3.11/dist-packages (9.3.0)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.42-0ubuntu0.22.04.2).
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.
* Starting MySQL database server mysqld
su: warning: cannot change directory to /nonexistent: No such file or directory
...done.
```



```
!pip install mysql-connector-python
!apt-get -y install mysql-server
!service mysql start
!mysql -e "ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'root';FLUSH PRIVILEGES;"
import mysql.connector

try:
    conn = mysql.connector.connect(
        host="localhost",
        user="root",
        password="SENHA_ATUAL_DO_ROOT"
    )

    cursor = conn.cursor()
    cursor.execute("ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'root';")
    cursor.execute("FLUSH PRIVILEGES;")
    print("Usuário root alterado com sucesso.")

except mysql.connector.Error as err:
    print(f"Erro ao alterar usuário: {err}")

finally:
    if conn.is_connected():
        cursor.close()
        conn.close()
```

```
Requirement already satisfied: mysql-connector-python in /usr/local/lib/python3.11/dist-packages (9.3.0)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.42-0ubuntu0.22.04.2).
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.
* Starting MySQL database server mysqld
...done.
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
Erro ao alterar usuário: 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)
```

```
Comando(AV06) ☆
Arquivo Editar Ver Inserir Ambiente de execução Ferramentas Ajuda

Comandos + Código + Texto ▶ Executar tudo

!apt-get update
!apt-get -y install mysql-server
!service mysql start
!mysql -e "ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'root';FLUSH PRIVILEGES;"

Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:4 https://cloud.r-project.org/bin/linux/ubuntu jammy-cran40/ InRelease [3,632 B]
Get:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:6 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86_64 InRelease [1,581 B]
Hit:7 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu jammy InRelease
Hit:8 https://ppa.launchpadcontent.net/graphics-drivers/ppa/ubuntu jammy InRelease
Hit:9 https://ppa.launchpadcontent.net/ubuntugis/ppa/ubuntu jammy InRelease
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [75.9 kB]
Get:11 https://r2u.stat.illinois.edu/ubuntu jammy InRelease [6,555 B]
Get:12 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,571 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [5,031 kB]
Get:14 https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86_64 Packages [1,809 kB]
Get:15 https://r2u.stat.illinois.edu/ubuntu jammy/main all Packages [9,115 kB]
Get:16 https://r2u.stat.illinois.edu/ubuntu jammy/main amd64 Packages [2,761 kB]
Fetched 20.8 MB in 5s (4,447 kB/s)
Reading package lists... Done
W: Skipping acquire of configured file 'main/source/Sources' as repository 'https://r2u.stat.illinois.edu/ubuntu jammy InRelease' does not seem
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl
  libfcgi-bin libfcgi-perl libfcgi0ldbl libhtml-parser-perl
  libhtml-tagset-perl libhtml-template-perl libhttp-date-perl
  libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2
  libprotobuf-lite23 liburi-perl liburi-perl liburi-perl liburi-perl
  mysql-client-8.0 mysql-client-core-8.0 mysql-server-8.0
  mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl
  mailx tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl
```

```
Avaliação-06(BD).py ☆
Arquivo Editar Ver Inserir Ambiente de execução Ferramentas Ajuda

Comandos + Código + Texto ▶ Executar tudo

!pip install mysql-connector-python
!apt-get -y install mysql-server
!service mysql start
import mysql.connector

# Create a connection to the MySQL server
conn = mysql.connector.connect(user='root', password='root', host='localhost')

# Create a cursor to interact with the MySQL server
cursor = conn.cursor()
# Create a new database named 'library'
cursor.execute("CREATE DATABASE IF NOT EXISTS library")

# Switch to the 'library' database
cursor.execute("USE library")

# Create the 'books' table
cursor.execute('''
CREATE TABLE IF NOT EXISTS books (
  id INT AUTO_INCREMENT PRIMARY KEY,
  title VARCHAR(255) NOT NULL,
  author VARCHAR(255) NOT NULL,
  year_published INT
)
''')

# Always remember to close the cursor and connection when done
cursor.close()
conn.close()

Requirement already satisfied: mysql-connector-python in /usr/local/lib/python3.11/dist-packages (9.3.0)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.42-0ubuntu0.22.04.2).
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.
* Starting MySQL database server mysqld
done
```



```
# Connect to the MySQL server and the 'library' database
conn = mysql.connector.connect(user='root', password='root', host='localhost', database='library')
cursor = conn.cursor()
cursor.execute("SELECT * FROM books WHERE year_published < 1950")
classics = cursor.fetchall()
```

```
Requirement already satisfied: mysql-connector-python in /usr/local/lib/python3.11/dist-packages (9.3.0)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.42-0ubuntu0.22.04.2).
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.
* Starting MySQL database server mysqld
...done.
(1, 'To Kill a Mockingbird', 'Harper Lee', 1960)
(2, '1984', 'George Orwell', 1949)
(3, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)
(4, 'To Kill a Mockingbird', 'Harper Lee', 1960)
(5, '1984', 'George Orwell', 1949)
(6, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)
(7, 'To Kill a Mockingbird', 'Harper Lee', 1960)
(8, '1984', 'George Orwell', 1949)
(9, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)
```