Avaliação 06 - Banco de Dados
Aluno: Dylan Mesquita de Melo

```
[1] !pip install mysql-connector-python
```

```
Collecting mysql-connector-python
    Downloading mysql_connector_python-9.3.0-cp311-cp311-manylinux_2_28_x86_64.whl.metadata (7.2 kB)
    Downloading mysql_connector_python-9.3.0-cp311-cp311-manylinux_2_28_x86_64.whl (33.9 MB)
                                          33.9/33.9 MB 47.5 MB/s eta 0:00:00
Installing collected packages: mysql-connector-python
Successfully installed mysql-connector-python-9.3.0
```

```
[2] !apt-get -y install mysql-server
```

```
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 mecab-ipadic mecab-ipadic-utf8 mecab-utils
  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
  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 mecab-ipadic mecab-ipadic-utf8 mecab-utils
  mysql-client-8.0 mysql-client-core-8.0 mysql-server mysql-server-8.0
  mysql-server-core-8.0
0 upgraded, 25 newly installed, 0 to remove and 35 not upgraded.
Need to get 29.8 MB of archives.
```

```
[5] !service mysql start
```

```
 * Starting MySQL database server mysqld
su: warning: cannot change directory to /nonexistent: No such file or directory
   ...done.
```

```
[6] !mysql -e "ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'root';FLUSH PRIVILEGES;"
```

```
[7] import mysql.connector

    conn = mysql.connector.connect(user='root', password='senha', host='localhost')

    cursor = conn.cursor()
```

```
[8]  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()
```

```
[9]  cursor.execute("CREATE DATABASE IF NOT EXISTS library")

     cursor.execute("USE library")

     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
     )
     ''')

     cursor.close()
     conn.close()
```

Avaliação 06 - Banco de Dados
Aluno: Dylan Mesquita de Melo

```python
import mysql.connector

# Connect to the MySQL server and the 'library' database
conn = mysql.connector.connect(user='root', password='root', host='localhost', database='library')
cursor = conn.cursor()

books_data = [
    ("To Kill a Mockingbird", "Harper Lee", 1960),
    ("1984", "George Orwell", 1949),
    ("The Great Gatsby", "F. Scott Fitzgerald", 1925)
]

# Insert data using the cursor
cursor.executemany('''
INSERT INTO books (title, author, year_published) VALUES (%s, %s, %s)
''', books_data)

# Commit the changes
conn.commit()

# Close the cursor and connection
cursor.close()
conn.close()
```

```python
import mysql.connector

# Connect to the MySQL server and the 'library' database
conn = mysql.connector.connect(user='root', password='root', host='localhost', database='library')
cursor = conn.cursor()

# Execute the SELECT query
cursor.execute("SELECT * FROM books")

# Fetch all the results
records = cursor.fetchall()

# Print the records
for record in records:
    print(record)

# Close the cursor and connection
cursor.close()
conn.close()
```

```
(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)
```