

Aluno: Luiz Eduardo P. Ribeiro

```
170 | 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)
    |                                     28.9/33.9 MB 32.3 MB/s eta 0:00:00
    | Installing collected packages: mysql-connector-python
    | Successfully installed mysql-connector-python-9.3.0
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200 [2] | apt-get -y install mysql-server
    |
    | Mostrar saída
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230 [3] | service mysql start
    |
    | * Starting MySQL database server mysqld
    | su: warning: cannot change directory to /nonexistent: No such file or directory
    | ...done.
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260 [4] | mysql -e "ALTER USER 'root'@'localhost' IDENTIFIED WITH 'mysql_native_password' BY 'root';FLUSH PRIVILEGES;"
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[5] | 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()

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[6] | # 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()

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[7] | 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 (Xs, Xs, Xs)
    | """, books_data)

    | # Commit the changes
    | conn.commit()

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

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[8] | 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()

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(2, '1984', 'George Orwell', 1949)
(3, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)

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[9] | 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()
    | cursor.execute("SELECT * FROM books WHERE year_published < 1950")
    | classics = cursor.fetchall()

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[10] | cursor.close()
    | conn.close()
```