

✓ 61 [2] !pip install mysql-connector-python --quiet

✓ 01 [3] import mysql.connector



```
!pip install mysql-connector-python --quiet
```

```
import mysql.connector
```

```
from mysql.connector import Error
```

```
def create_connection():
```

```
    try:
```

```
        connection = mysql.connector.connect(
```

```
            host='gondola.proxy.rlwy.net',
```

```
            port=18638,
```

```
            database='railway',
```

```
            user='root',
```

```
            password='FxOzHnhDqgVZpWpzEGjOScarWmEKjZuK'
```

```
        )
```

```
        if connection.is_connected():
```

```
            print(" Conexão bem-sucedida ao banco de dados MySQL!")
```

```
            return connection
```

```
    except Error as e:
```

```
        print(f" Erro ao conectar: {e}")
```

```
    return None
```



```
def execute_query(connection, query):
    cursor = connection.cursor()
    try:
        cursor.execute(query)
        connection.commit()
        print(" Query executada com sucesso.")
    except Error as e:
        print(f" Erro ao executar query: {e}")

def read_query(connection, query):
    cursor = connection.cursor()
    try:
        cursor.execute(query)
        result = cursor.fetchall()
        return result
    except Error as e:
        print(f"Erro ao ler dados: {e}")

# Conectar
conn = create_connection()

# Criar tabela de livros
create_books_table = """
CREATE TABLE IF NOT EXISTS books (
    id INT AUTO_INCREMENT PRIMARY KEY,
    title VARCHAR(100),
    author VARCHAR(100),
    year INT
)
"""

execute_query(conn, create_books_table)
```

```

# Inserir livros
insert_books = """
INSERT INTO books (title, author, year)
VALUES
('The Hobbit', 'J.R.R. Tolkien', 1937),
('1984', 'George Orwell', 1949),
('The Great Gatsby', 'F. Scott Fitzgerald', 1925)
"""

execute_query(conn, insert_books)

# Selecionar livros
select_books = "SELECT * FROM books"
books = read_query(conn, select_books)

# Mostrar livros
print(" Livros cadastrados:")
for book in books:
    print(book)

# Apagar os registros (opcional, para teste)
execute_query(conn, "DELETE FROM books")

```

Conexão bem-sucedida ao banco de dados MySQL!

Query executada com sucesso.

Query executada com sucesso.

Livros cadastrados:

(21, 'The Hobbit', 'J.R.R. Tolkien', 1937)

(22, '1984', 'George Orwell', 1949)

(23, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)

Query executada com sucesso.