```
[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 33.0 MB/s eta 0:00:00
Installing collected packages: mysql-connector-python
Successfully installed mysql-connector-python-9.3.0
```

Gerar | 10 random numbers using numpy | Fechar

```
[6] !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
```

```
[7] !service mysql start
```

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

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

```
import mysql.connector

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

cursor = conn.cursor()
cursor.execute("CREATE DATABASE IF NOT EXISTS test")
```

```
[13] cursor.execute("""USE test""")
     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
      )""")
```

Gerar | create a dataframe with 2 columns and 10 rows | Fechar

```
books_data = [
    ("The Great Gatsby", "F. Scott Fitzgerald", 1925),
    ("To Kill a Mockingbird", "Harper Lee", 1960),
    ("1984", "George Orwell", 1949),
    ("O Meu pé de laranja lima", "José Mauro de Vasconcelos",2013)
]

cursor.executemany("""
INSERT INTO books (title, author, year_published) VALUES (%s, %s, %s)
""", books_data)
conn.commit()
```

```
[15]  cursor.execute("SELECT * FROM books")
      records = cursor.fetchall()

      for record in records:
          print(record)
```

```
(1, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925)
(2, 'To Kill a Mockingbird', 'Harper Lee', 1960)
(3, '1984', 'George Orwell', 1949)
(4, 'O Meu pé de laranja lima', 'José Mauro de Vasconcelos', 2013)
```

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