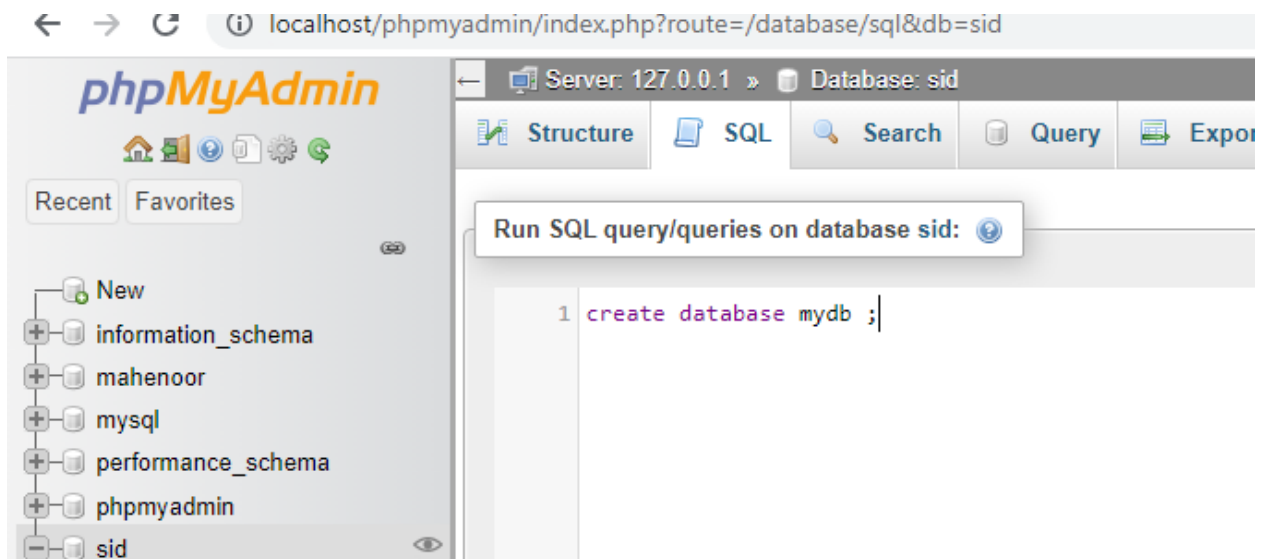


Importing data from a MySQL database into Pandas data frame

Create database mydb :-



After it create table record

The screenshot shows the phpMyAdmin interface in a web browser. The address bar displays the URL: localhost/phpmyadmin/index.php?route=/database/sql&db=mydb. The interface includes a sidebar with a tree view of databases and schemas, including 'information_schema', 'mahenoor', 'mydb', 'mysql', 'performance_schema', 'phpmyadmin', 'sid', and 'test'. The 'mydb' database is selected. The main panel shows the 'Run SQL query/queries on database mydb:' section with the following SQL code:

```
1 create table record
2 (id int,
3 name varchar(200),
4 city varchar(200)
5 );
```

Insert some data into your record table

The screenshot shows the phpMyAdmin interface in a web browser. The address bar displays the URL: localhost/phpmyadmin/index.php?route=/table/sql&db=mydb&table=record. The interface includes a sidebar with a tree view of databases and schemas, including 'information_schema', 'mahenoor', 'mydb', 'mysql', and 'New'. The 'mydb' database is selected, and the 'record' table is highlighted. The main panel shows the 'Run SQL query/queries on table mydb.record:' section with the following SQL code:

```
1 insert into record(id, name, city)values('1','rahul','andheri');
```

Now To connect MySQL using pandas, need to install package 'mysql-connector-python' as below command.

```
pip install mysql-connector-python
```

AS Shown below

```
D:\>pip install mysql-connector-python
Collecting mysql-connector-python
  Downloading mysql_connector_python-8.0.33-cp311-cp311-win_amd64.whl (9.6 MB)
----- 9.6/9.6 MB 10.2 MB/s eta 0:00:00
Collecting protobuf<=3.20.3,>=3.11.0
  Downloading protobuf-3.20.3-py2.py3-none-any.whl (162 kB)
----- 162.1/162.1 kB 4.9 MB/s eta 0:00:00
Installing collected packages: protobuf, mysql-connector-python
Successfully installed mysql-connector-python-8.0.33 protobuf-3.20.3

[notice] A new release of pip available: 22.3.1 -> 23.1.2
[notice] To update, run: python.exe -m pip install --upgrade pip
```

Write code to read from mysql database table :-

```
import mysql.connector
import pandas as pd

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

query="SELECT * FROM record"

result_dataframe = pd.read_sql(query,mydb)

print(result_dataframe.filter(["name","city"]).head())
```

Output:-

```
result_dataframe
  name  city
0 rahul andheri
1 raj dadar
```

Exporting dataset to CSV

We do export the table data to CSV format as well

```
result_dataframe.to_csv('Test.csv')
```