

```
In [2]: # In this project, we are going to work on **European Soccer Database**.
#In this database, we have data of over 25000 matches, 10000 players, 11 European countries
#with their lead championships, seasons 2008 to 2016, team lineups with squad formation (X, Y coordinates),
#betting odds from up to 10 providers, detailed match events like fouls, possessions, corners, etc.
#first we will import and connect to database
import numpy as np
import pandas as pd
import sqlite3
import matplotlib.pyplot as plt
#connect to database - command - sqlite3.connect(database)

import warnings
warnings.filterwarnings('ignore')

database = 'database.sqlite'
conn = sqlite3.connect(database)

tables = pd.read_sql("""SELECT *
                        FROM sqlite_master
                        WHERE type='table';""", conn)

tables
```

Out[2]:

|   | type  | name              | tbl_name          | rootpage | sql   |
|---|-------|-------------------|-------------------|----------|---|
| 0 | table | sqlite_sequence   | sqlite_sequence   | 4        | CREATE TABLE sqlite_sequence(name,seq)                    |
| 1 | table | Player_Attributes | Player_Attributes | 11       | CREATE TABLE "Player_Attributes" (\n\tid\tINTEGER PRIM... |
| 2 | table | Player            | Player            | 14       | CREATE TABLE `Player` (\n\tid\tINTEGER PRIMAR...          |
| 3 | table | Match             | Match             | 18       | CREATE TABLE `Match` (\n\tid\tINTEGER PRIMAR...           |
| 4 | table | League            | League            | 24       | CREATE TABLE `League` (\n\tid\tINTEGER PRIMAR...          |
| 5 | table | Country           | Country           | 26       | CREATE TABLE `Country` (\n\tid\tINTEGER PRIM...           |
| 6 | table | Team              | Team              | 29       | CREATE TABLE "Team" (\n\tid\tINTEGER PRIMARY...           |
| 7 | table | Team_Attributes   | Team_Attributes   | 2        | CREATE TABLE `Team_Attributes` (\n\tid\tINTE...           |

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In [3]: #question 1 Retrieve the names of all countries from the "Country" table.
ques1 = pd.read_sql("""
SELECT name
FROM Country;
""", conn)
```