In [3]:
```
pip install pymysql
```

```
Requirement already satisfied: pymysql in /opt/anaconda3/lib/python3.9/site-packages (1.1.0)
Note: you may need to restart the kernel to use updated packages.
```

First step is to load necessary packages

In [4]:
```
import pandas as pd
from sqlalchemy import create_engine
```

Assigning a variable to load the data as a dataframe

In [5]:
```
df = pd.read_csv('/Users/doyin/Documents/SQL/athlete_events.csv')
```

In [ ]:
```
Assigning a variable to use the create engine function to link to SQL database created & load data in dataframe into the dat
```

In [11]:
```
engine = create_engine("mysql+pymysql://root:123!@localhost:3306/Olympics_History")
```

In [ ]:
```
Rows match the expected amount
```

In [12]:
```
df.to_sql("athlete_events", con=engine, if_exists='replace', index = False)
```

Out[12]:
```
271116
```

In [ ]:
```
Checking dataframe information
```

In [8]:
```
df.info
```

Out[8]:
```
<bound method DataFrame.info of             ID                      Name Sex   Age  Height  Weight  \
0            1                 A Dijiang   M  24.0   180.0    80.0
1            2                 A Lamusi   M  23.0   170.0    60.0
2            3      Gunnar Nielsen Aaby   M  24.0     NaN     NaN
3            4     Edgar Lindenau Aabye   M  34.0     NaN     NaN
4            5  Christine Jacoba Aaftink   F  21.0   185.0    82.0
...        ...                       ...  ..   ...     ...     ...
271111  135569               Andrzej ya   M  29.0   179.0    89.0
271112  135570                 Piotr ya   M  27.0   176.0    59.0
271113  135570                 Piotr ya   M  27.0   176.0    59.0
271114  135571       Tomasz Ireneusz ya   M  30.0   185.0    96.0
271115  135571       Tomasz Ireneusz ya   M  34.0   185.0    96.0

                Team  NOC        Games  Year  Season           City  \
0              China  CHN  1992 Summer  1992  Summer      Barcelona
1              China  CHN  2012 Summer  2012  Summer         London
2            Denmark  DEN  1920 Summer  1920  Summer      Antwerpen
3      Denmark/Sweden  DEN  1900 Summer  1900  Summer          Paris
4         Netherlands  NED  1988 Winter  1988  Winter        Calgary
...               ...  ...          ...   ...     ...           ...
271111       Poland-1  POL  1976 Winter  1976  Winter      Innsbruck
271112         Poland  POL  2014 Winter  2014  Winter          Sochi
271113         Poland  POL  2014 Winter  2014  Winter          Sochi
271114         Poland  POL  1998 Winter  1998  Winter         Nagano
271115         Poland  POL  2002 Winter  2002  Winter  Salt Lake City

              Sport                                      Event Medal
0        Basketball              Basketball Men's Basketball   NaN
1              Judo            Judo Men's Extra-Lightweight   NaN
2          Football                 Football Men's Football   NaN
3         Tug-Of-War             Tug-Of-War Men's Tug-Of-War  Gold
4      Speed Skating       Speed Skating Women's 500 metres   NaN
...              ...                                    ...   ...
271111         Luge               Luge Mixed (Men)'s Doubles   NaN
271112   Ski Jumping  Ski Jumping Men's Large Hill, Individual   NaN
271113   Ski Jumping       Ski Jumping Men's Large Hill, Team   NaN
271114     Bobsleigh                  Bobsleigh Men's Four   NaN
271115     Bobsleigh                  Bobsleigh Men's Four   NaN

[271116 rows x 15 columns]>
```

In [7]:
```
df.head(5)
```

Out[7]:

	ID	Name	Sex	Age	Height	Weight	Team	NOC	Games	Year	Season	City	Sport	Event	Medal
0	1	A Dijiang	M	24.0	180.0	80.0	China	CHN	1992 Summer	1992	Summer	Barcelona	Basketball	Basketball Men's Basketball	NaN
1	2	A Lamusi	M	23.0	170.0	60.0	China	CHN	2012 Summer	2012	Summer	London	Judo	Judo Men's Extra-Lightweight	NaN
2	3	Gunnar Nielsen Aaby	M	24.0	NaN	NaN	Denmark	DEN	1920 Summer	1920	Summer	Antwerpen	Football	Football Men's Football	NaN
3	4	Edgar Lindenau Aabye	M	34.0	NaN	NaN	Denmark/Sweden	DEN	1900 Summer	1900	Summer	Paris	Tug-Of-War	Tug-Of-War Men's Tug-Of-War	Gold
4	5	Christine Jacoba Aaftink	F	21.0	185.0	82.0	Netherlands	NED	1988 Winter	1988	Winter	Calgary	Speed Skating	Speed Skating Women's 500 metres	NaN

In [ ]:
```
Repeating same process to upload second table to SQL
```

In [14]:
```
df2 = pd.read_csv('/Users/doyin/Documents/SQL/noc_regions.csv')
```

In [15]:
```
df2.to_sql("regions", con=engine, if_exists='replace', index = False)
```

Out[15]:
```
230
```

In [ ]:
```

```