CSX3006 Database Systems: Worksheet 4

**Instruction:   
1. Write your SQL command in .sql file and add group number, ID and name of the team members as comment on top of the answers.**

-- Group x

-- ID: xxxxxxx Name: xxxxxxxx

-- ID: xxxxxxx Name: xxxxxxxx

-- ID: xxxxxxx Name: xxxxxxxx

**2. Refer to the COVID19 Database in this worksheet and write SQL commands of the following 6 questions.**

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| The **DailyCase** relation   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **CurrentDate** | **Country** | **NewCase** | **NewDeath** | **NewRecovered** | | 2020-07-26 | Belgium | 299 | 0 | 13 | | 2020-07-26 | Brazil | 24578 | 555 | 27554 | | 2020-07-26 | Canada | 319 | 5 | 0 | | 2020-07-26 | Chile | 2198 | 92 | 1926 | | 2020-07-26 | Colombia | 0 | 0 | 0 | | 2020-07-26 | France | 0 | 0 | 0 | | 2020-07-26 | Germany | 389 | 0 | 136 | | 2020-07-26 | India | 49981 | 711 | 31995 | | 2020-07-26 | Iran | 2333 | 216 | 1894 | | 2020-07-26 | Italy | 254 | 5 | 126 | | 2020-07-26 | Mexico | 5480 | 1035 | 6403 | | 2020-07-26 | Peru | 0 | 0 | 8427 | | 2020-07-26 | Russia | 5741 | 77 | 3108 | | 2020-07-26 | South Africa | 11233 | 114 | 2023 | | 2020-07-26 | USA | 54953 | 470 | 18449 | | 2020-07-27 | Belgium | 402 | 1 | 14 | | 2020-07-27 | Brazil | 23284 | 614 | 33728 | | 2020-07-27 | Canada | 682 | 11 | 0 | | 2020-07-27 | Chile | 2133 | 75 | 1859 | | 2020-07-27 | Colombia | 16306 | 508 | 11494 | | 2020-07-27 | France | 2551 | 17 | 267 | | 2020-07-27 | Germany | 445 | 1 | 259 | | 2020-07-27 | India | 44457 | 637 | 33598 | | 2020-07-27 | Iran | 2434 | 212 | 1931 | | 2020-07-27 | Italy | 168 | 5 | 147 | | 2020-07-27 | Mexico | 4973 | 342 | 8588 | | 2020-07-27 | Peru | 13756 | 575 | 4697 | | 2020-07-27 | Russia | 5607 | 85 | 3077 | | 2020-07-27 | South Africa | 7096 | 298 | 9848 | | 2020-07-27 | USA | 56336 | 1076 | 27941 |   The **CaseSummary** relation   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Country** | **TotalCase** | **TotalDeath** | **TotalRecovered** | **TotalTest** | | USA | 5032179 | 162804 | 2576668 | 63139605 | | Brazil | 2917562 | 98644 | 2047660 | 13206188 | | Mexico | 462690 | 50517 | 308848 | 1056915 | | India | 2025409 | 41638 | 1377384 | 22149351 | | Italy | 249204 | 35187 | 201323 | 7099713 | | France | 195633 | 30312 | 82460 | 3992206 | | Peru | 455409 | 20424 | 310337 | 2493429 | | Iran | 320117 | 17976 | 277463 | 2612763 | | Russia | 871894 | 14606 | 676357 | 29716907 | | Colombia | 357710 | 11939 | 192355 | 1801835 | | Chile | 366671 | 9889 | 340168 | 1760615 | | Belgium | 71158 | 9859 | 17661 | 1767120 | | South Africa | 538184 | 9604 | 387316 | 3149807 | | Germany | 215210 | 9252 | 196200 | 8586648 | | Canada | 118561 | 8966 | 103106 | 4319172 |   The **Country** relation   |  |  |  |  | | --- | --- | --- | --- | | **Country** | **Continent** | **WHORegion** | **Population** | | Belgium | Europe | Europe | 331198130 | | Brazil | South America | Americas | 212710692 | | Canada | North America | Americas | 129066160 | | Chile | South America | Americas | 1381344997 | | Colombia | South America | Americas | 60452568 | | France | Europe | Europe | 65288306 | | Germany | Europe | Europe | 33016319 | | India | Asia | South-East Asia | 84097623 | | Iran | Asia | Eastern Mediterranean | 145940924 | | Italy | Europe | Europe | 50936262 | | Mexico | North America | Americas | 19132514 | | Peru | South America | Americas | 11594739 | | Russia | Europe | Europe | 59381566 | | South Africa | Africa | Africa | 83811260 | | USA | North America | Americas | 37775022 | |

Fig. 1. The COVID19 Database (top 15 countries data on 26-27/7/2020)

1. Create Database COVID19 with the three tables in Fig. 1.
2. Add all records in the three tables created in question 1.
3. Retrieve all countries’ name and population in Europe from the database.

**Output:**

**A screenshot of a computer

Description automatically generated**



1. Retrieve all countries’ name and population in Europe whose population is greater than 60 million from the database.

**Output:**

**A screenshot of a computer

Description automatically generated**



1. Retrieve all countries’ name in Europe having neither new cases nor new death’s case on July 26, 2020 from the database.

**Output:**

**A screenshot of a computer

Description automatically generated**



1. Retrieve all countries’ name **with** number of new cases greater than ten thousand but less than twenty thousand on July 26, 2020 from the database.

**Output:**

**A screenshot of a computer

Description automatically generated**

