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FSDA Assignment 2

Project: Analyzing the World Population

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| **create database world\_factbook;** |
| use world\_factbook; |
| create table CIA\_factbook1( |
| country varchar(100), |
| area integer, |
| birth\_rate decimal(38,3), |
| death\_rate decimal(38,3), |
| infant\_mortality\_rate decimal(38,3), |
| internet\_users integer, |
| life\_exp\_at\_birth decimal(38,3), |
| maternal\_mortality\_rate integer, |
| net\_migration\_rate decimal(38,2), |
| population integer, |
| population\_growth\_rate decimal(38,2) |
| ); |
| select \* from cia\_factbook1; |
| **-- Loading the Values in the Table** |
| LOAD DATA INFILE 'D:\cia\_factbook FSDA 18th Sept 2022.csv' |
| INTO TABLE CIA\_factbook1 |
| FIELDS TERMINATED BY ',' |

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| --- |
| ENCLOSED BY '"' |
| LINES TERMINATED BY '\n' |
| IGNORE 1 ROWS |
| (@col1, @col2, @col3, @col4, @col5, @col6, @col7, @col8, @col9, @col10, @col11) |
| set country = @col1, |
| area = if(@col2 = 'NA', NULL, @col2), |
| birth\_rate = if(@col3 = 'NA', NULL, @col3), |
| death\_rate = if(@col4 = 'NA', NULL, @col4), |
| infant\_mortality\_rate = if(@col5 = 'NA', NULL, @col5), |
| internet\_users = if(@col6 = 'NA', NULL, @col6), |
| life\_exp\_at\_birth = if(@col7 = 'NA', NULL, @col7), |
| maternal\_mortality\_rate = if(@col8 = 'NA', NULL, @col8), |
| net\_migration\_rate = if(@col9 = 'NA', NULL, @col9), |
| population = if(@col10 = 'NA', NULL, @col10), |
| population\_growth\_rate = if(@col11 = 'NA', NULL, @col11); |
| **-- Question1 - country with highest population** |
| SELECT COUNTRY, POPULATION |
| FROM cia\_factbook1 |
| WHERE POPULATION = (SELECT max(POPULATION)FROM cia\_factbook1); |
| **-- Question2 - country with lowest population** |
| select COUNTRY, POPULATION |
| from cia\_factbook1 |
| where POPULATION = |

|  |
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| (select min(POPULATION) from cia\_factbook1); |
| **-- Question3 - country with highest population growth** |
| SELECT COUNTRY, POPULATION\_GROWTH\_RATE |
| FROM CIA\_FACTBOOK1 |
| WHERE POPULATION\_GROWTH\_RATE = (SELECT max(POPULATION\_GROWTH\_RATE) FROM CIA\_FACTBOOK1); |
| **-- Question4 - Which country has an extraordinary number for the population?** |
| SELECT COUNTRY, AREA, POPULATION, (POPULATION/AREA) AS POPULATION\_NUMBER |
| FROM CIA\_FACTBOOK1 |
| ORDER BY (POPULATION/AREA) |
| **-- Question5 - Which is the most densely populated country in the world?** |
| SELECT COUNTRY, AREA, POPULATION ,(POPULATION/AREA) AS POPULATION\_DENSITY |
| FROM CIA\_FACTBOOK1 |
| WHERE (POPULATION/AREA) = (SELECT MAX(POPULATION/AREA) FROM CIA\_FACTBOOK1); |