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FSDA Assignment 2

Project: Analyzing the World Population

```
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 ','
```

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 =

```
(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);
```