

SQL WORLD POPULATION DATASET ANALYSIS

1. Find the top 10 most populous countries in 2022.

```
select country, pop_2022 from world_population order by pop_2022  
desc limit 10;
```

2. Find the average growth rate by continent.

```
select continent, avg(growth_rate) as avg_growthrate from  
world_population group by continent order by avg_growthrate desc;
```

3. Get all countries in Europe and their capitals.

```
select country, capital from world_population where  
continent='Europe';
```

4. Find the total number of countries per continent.

```
select continent, count(country) from world_population group by  
continent;
```

5. List countries with a population density above 500.

```
select country, density_km2 from world_population where  
density_km2>500;
```

6. Show the population growth (2022 - 2010) for each country.

```
SELECT country, pop_2022 - pop_2010 AS 'growth_rate(2022-10)' from  
world_population;
```

7. List countries where population has decreased since 2000.

```
select country, pop_2000, pop_2022 from world_population where  
pop_2022<pop_2000;
```

8. List the top 3 countries by area within Asia.

```
select country, area_km2 from world_population where  
continent="Asia" order by area_km2 desc limit 3;
```

9. Find the country with the highest growth rate in each continent.

```
select continent, country, density_km2 from world_population wp where  
density_km2=(select max(density_km2) from world_population where  
continent=wp.continent);
```

10. Find countries where the population more than doubled since 1990

```
select country, pop_1990, pop_2022 from world_population where  
pop_2022>=2*pop_1990;
```

11. Show the total population for each continent in 2022

```
select Continent, sum(pop_2022) as total_population_2022 from  
world_population group by continent;
```

12. Identify countries where population decreased in 3 consecutive decades (2022, 2010, 2000).

```
SELECT country FROM world_population WHERE pop_2022 < Pop_2010 AND  
pop_2010 < pop_2000;
```

13. Find countries whose population has continuously grown every decade since 1970.

```
SELECT Country FROM world_population WHERE pop_2022 > pop_2020  
AND pop_2020 > pop_2015  
AND pop_2015 > pop_2010  
AND pop_2010 > pop_2000  
AND pop_2000 > pop_1990  
AND pop_1990 > pop_1980  
AND pop_1980 > pop_1970;
```

14. Get the percentage share of each continent in the 2022 world population.

```
SELECT Continent, SUM(pop_2022) * 100.0 / (SELECT SUM(pop_2022) FROM  
world_population) AS percent_share FROM world_population GROUP BY  
Continent;
```