

Gunakan database world

1. Ada berapa negara di database world?
`select count(name) as jumlah_negara from country;`
2. Tampilkan Daftar Benua tanpa ada Duplikasi dan urutkan sesuai abjad.
`select distinct continent Benua from country order by cast(continent as char);`
`select distinct cast(continent as char) Benua from country order by Benua;`
`select continent as benua from country group by continent order by cast(continent as char);`
Literature:
<https://dev.mysql.com/doc/refman/8.0/en/enum.html#enum-literals>
3. Tampilkan Daftar Region di Benua Afrika dan urutkan sesuai abjad.
`select distinct Region as Region from country where continent='Africa' order by region;`
`select distinct(region) as Region from country where continent like 'Africa' order by Region;`
4. Tampilkan jumlah negara dari setiap benua yang diurutkan dari jumlah negara terbanyak sampai yang paling sedikit
`select Continent as Benua, Count(name) as Jumlah_Negara from country group by Benua order by Jumlah_negara DESC;`
`SELECT continent, count('country') as jumlah_negara from country group by continent order by jumlah_negara desc;`
5. Tampilkan Total populasi dari setiap benua kecuali Benua Oceania dan Antarctica. Urutkan dari populasi yang terbanyak sampai yang paling sedikit.
`select Continent as Benua, sum(Population) as Populasi from Country where Continent not in ('Oceania', 'Antarctica') group by Benua order by Populasi desc;`
`select continent as benua, sum(population) as populasi from country where continent != 'oceania' and continent != 'antarctica' group by continent order by populasi desc;`
`select continent as benua, sum(population) as populasi from country where continent <> 'oceania' and continent <> 'antarctica' group by continent order by populasi desc;`
6. Total populasi di setiap district di indonesia. Tampilkan hanya 5 terbesar saja.
`select district, sum(population) as jml from city where countrycode = 'idn' group by district order by jml desc limit 5;`
7. Ada berapa negara di Africa?
`select count(name) as jumlah_negara_afrika from country where continent = 'Africa';`

8. Ada berapa bahasa berbeda di dunia?

```
select count(distinct(language)) as jumlah_bahasa from countrylanguage;
```
9. Tampilkan 5 negara dengan populasi terbesar!

```
select name, format(population, 0) as populasian from country
order by population desc
limit 5;
select name, population from country
order by population desc
limit 5;
```
10. Tampilkan nama negara yang panjang hurufnya 6 huruf dan berakhiran 'O'

```
select name from country
where name like '____o';
select name from country
where name like 'm____o';
select name from country
where name like '%o' and length(name) = 6;
```
11. Tampilkan negara di Eropa yang memiliki nama dimulai dari huruf I

```
select name, continent from country
where name like 'I%'
and continent='Europe';

select name, continent from country
where name like 'i%'
and continent='Europe';
```
12. Tampilkan rata-rata harapan hidup tiap benua dan urutkan dari yang terendah!

```
select continent, avg(lifeexpectancy) as average_life_expectancy
from country
group by continent
order by average_life_expectancy;
```
13. Tampilkan rata-rata GNP di Afrika berdasarkan regionnya dan urutkan dari GNP Terbesar

```
select region, avg(GNP) as average_GNP from country
where continent='Africa'
group by region
order by average_GNP desc;
```
14. Tampilkan Jumlah region tiap benua dengan jumlah region lebih dari 3

```
select
continent,
count(distinct region) as jumlah_region
from country
group by continent
having jumlah_region>3;
```
15. Tampilkan 7 bahasa terbesar di Indonesia (secara persentase, dengan persentase dibulatkan)

```
select Language, round(Percentage) as Bahasa from countrylanguage
where countrycode='IDN'
order by Percentage
desc limit 7;
```

16. Tampilkan negara dengan populasi 1 juta sampai 1.5 juta

```
select name, population from country where population between 1000000 and 1500000;
```

17. Tampilkan rata rata populasi region di continent asia

```
select region, avg(population) as average_population from country where continent =
'asia' group by region order by average_population DESC;
```

Gunakan database employees

18. Tampilkan rata-rata gaji karyawan per tahun, urutkan berdasarkan tahun dari yang paling tua

```
select year(from_date) tahun, avg(salary) ratarata_gaji from salaries group by tahun
order by tahun;
```

Gunakan database sakila

19. Tampilkan first name dan last name aktor menjadi 1 column

```
select concat(first_name, ' ', last_name) as full_name from actor;
select concat_WS(' ',first_name, last_name) AS full_name from actor;
```

- 20.