

Soal 1:

Jumlah total kasus Covid-19 aktif yang baru di setiap provinsi lalu diurutkan berdasarkan jumlah kasus yang paling besar

Code SQL:

```
SELECT Province, SUM(New_Active_Cases) AS Jumlah_Kasus_Aktif_Baru
FROM `binar-challenge-1-415012.covid.indonesia`
WHERE Province IS NOT NULL
GROUP BY Province
ORDER BY Jumlah_Kasus_Aktif_Baru DESC
```

Soal 2:

Mengambil 2 (dua) location iso code yang memiliki jumlah total kematian karena Covid-19 paling sedikit

Code SQL:

```
SELECT Location_ISO_Code, SUM(Total_Deaths) AS Total_Kematian
FROM `binar-challenge-1-415012.covid.indonesia`
GROUP BY Location_ISO_Code
ORDER BY Total_Kematian ASC
LIMIT 2
```

Soal 3:

Data tentang tanggal - tanggal ketika rate kasus recovered di Indonesia paling tinggi beserta jumlah ratenya

Code SQL:

```
SELECT date, Case_Recovered_Rate
FROM `binar-challenge-1-415012.covid.indonesia`
WHERE Location = 'Indonesia'
ORDER BY Case_Recovered_Rate DESC
LIMIT 10
```

Soal 4:

Total case fatality rate dan case recovered rate dari masing-masing location iso code yang diurutkan dari data yang paling rendah

```
WITH Fatality AS (
  SELECT
    Location_ISO_Code AS Fatality_Location_ISO_Code,
    ROUND(SUM(Case_Fatality_Rate),2) AS Fatality_Rate,
    ROW_NUMBER() OVER (ORDER BY SUM(Case_Fatality_Rate) ASC) AS order_number
  FROM `binar-challenge-1-415012.covid.indonesia`
  GROUP BY Location_ISO_Code
  ORDER BY Fatality_Rate ASC
),
Recovered AS (
  SELECT
    Location_ISO_Code AS Recovered_Location_ISO_Code,
    ROUND(SUM(Case_Recovered_Rate),2) AS Recovered_Rate,
```

```

        ROW_NUMBER() OVER (ORDER BY SUM(Case_Recovered_Rate) ASC) AS order_number
    FROM `binar-challenge-1-415012.covid.indonesia`
    GROUP BY Location_ISO_Code
    ORDER BY Recovered_Rate ASC
)
SELECT Fatality_Location_ISO_Code, Fatality_Rate, Recovered_Location_ISO_Code,
Recovered_Rate
FROM Fatality
JOIN Recovered ON Fatality.order_number = Recovered.order_number

```

Soal 5:

Data tentang tanggal-tanggal saat total kasus Covid-19 mulai menyentuh angka 30.000-an

Code SQL:

```

SELECT date, Total_Cases
FROM `binar-challenge-1-415012.covid.indonesia`
WHERE Total_Cases BETWEEN 30000 AND 39999 AND Location = "Indonesia"
ORDER BY date

```

Soal 6:

Jumlah data yang tercatat ketika kasus Covid-19 lebih dari atau sama dengan 30.000

Code SQL:

```

SELECT COUNT(*) AS jumlah_data
FROM `binar-challenge-1-415012.covid.indonesia`
WHERE Total_Cases >= 30000 AND Location = "Indonesia"

```