

SQL Script

```
ALTER TABLE `practice-exercise-ch-1.challenge1.covid19` DROP COLUMN City_or_Region
```

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

```
SELECT Province, SUM(Total_Active_Cases) AS TOTAL_NEW_ACTIVE_CASES
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Location_Level != 'Country' AND Province IS NOT NULL
GROUP BY 1
ORDER BY TOTAL_NEW_ACTIVE_CASES DESC;
```

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

```
SELECT Location_ISO_Code, Province, SUM(Total_Deaths) AS MIN_TOTAL_DEATH
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Location_Level != 'Country' AND Province IS NOT NULL
GROUP BY 1, 2
ORDER BY MIN_TOTAL_DEATH ASC LIMIT 2;
```

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

```
SELECT Date, Province, SUM(Case_Recovered_Rate) AS MAX_CASE_RECOVERED_RATE
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Location_Level != 'Country' AND Province IS NOT NULL
GROUP BY 1, 2
ORDER BY MAX_CASE_RECOVERED_RATE DESC LIMIT 5;
```

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

```
SELECT Location_ISO_Code, SUM(Case_Fatality_Rate) AS Total_CFR,
SUM(Case_Recovered_Rate) AS Total_CRR
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Location_Level != 'Country' AND Province IS NOT NULL
GROUP BY 1
ORDER BY Total_CFR ASC, Total_CRR ASC;
```

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

```
SELECT Date, SUM(Total_Cases) AS TC
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Total_Cases >= 30000 AND Location_Level != 'Country' AND Province IS NOT NULL
GROUP BY 1
ORDER BY TC ASC;
```

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

```
SELECT COUNT(Date) AS Jumlah_record
FROM `practice-exercise-ch-1.challenge1.covid19`
WHERE Total_Cases>=30000;
```