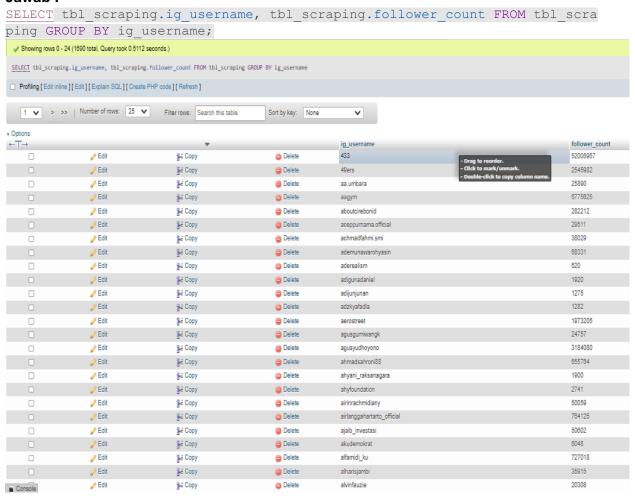NAMA   : Muhammad Fahrul Fahreza
NPM   : 2141416
KELAS   : SI – A
MATKUL   : Database Implementation, Studi Kasus Relasi DB – Instagram Performance

1. **Berapa jumlah konten yang di posting di akunSurabaya pada tahun 2020?**
   Jawab :

```sql
SELECT ig_username, COUNT(ig_username) AS total_content_2020 FROM tbl_scraping WHERE ig_username = 'Surabaya' AND (taken_at BETWEEN '2020-01-01' AND '2021-01-01');
```

```
MariaDB [db_sma2]> SELECT ig_username, COUNT(ig_username) AS total_content_2020 FROM tbl_scraping
WHERE ig_username = "Surabaya" AND (taken_at BETWEEN '2020-01-01' AND '2021-01-01');
+-------------+--------------------+
| ig_username | total_content_2020 |
+-------------+--------------------+
| surabaya    |                162 |
+-------------+--------------------+
1 row in set (0.390 sec)
```

2. **Tunjukkan jumlah follower di setiap akun yang adadi tbl_scraping!**
   Jawab :

```sql
SELECT tbl_scraping.ig_username, tbl_scraping.follower_count FROM tbl_scraping GROUP BY ig_username;
```

✔ Showing rows 0 - 24 (1690 total, Query took 0.5112 seconds.)

SELECT tbl_scraping.ig_username, tbl_scraping.follower_count FROM tbl_scraping GROUP BY ig_username

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

ig_username	follower_count
433	52005957
49ers	2545982
aa.umbara	25890
aagym	6775825
aboutcirebonid	282212
aceppurnama.official	29511
achmadfahmi.smi	38029
ademunawarohyasin	68331
aderealism	620
adigunadaniel	1920
adijunjunan	1275
adzkyafadla	1282
aerostreet	1973205
agusgumiwangk	24757
agusyudhoyono	3184080
ahmadsahroni88	655764
ahyani_raksanagara	1900
ahyfoundation	2741
airinrachmidiany	50059
airlanggahartarto_official	764125
ajaib_investasi	50602
akudemokrat	6048
alfamidi_ku	727018
alharisjambi	35915
alvinfauzie	20308

3. **Berapa pertumbuhan follower akun Surabaya daritahun 2020 ke 2021?**
Jawab :

```sql
SELECT ( SELECT MAX(follower_count) FROM tbl_scraping WHERE ig_username =
"surabaya" AND taken_at IN (SELECT MAX(taken_at) FROM tbl_scraping WHERE i
g_username='surabaya' AND (taken_at BETWEEN '2020-01-01' AND '2020-12-
31')) ) AS f_2020 , ( SELECT MAX(follower_count) AS f_2020 FROM tbl_scrapi
ng WHERE ig_username = "surabaya" AND taken_at IN (SELECT MAX(taken_at) FR
OM tbl_scraping WHERE ig_username='surabaya' AND (taken_at BETWEEN '2021-
01-01' AND '2021-12-31')) ) AS f_2021;
```

✔ Showing rows 0 - 0 (1 total, Query took 1.7725 seconds.)

SELECT (SELECT MAX(follower_count) FROM tbl_scraping WHERE ig_username = "surabaya" AND taken_at IN (SELECT MAX(taken_at) FROM tbl_scraping WHERE ig_username='surabaya' AND (taken_at BETWEEN '2020-01-01' AND '2020-12-31'))) AS f_2020 , (SELECT MAX(follower_count) AS f_2020 FROM tbl_scraping WHERE ig_username = "surabaya" AND taken_at IN (SELECT MAX(taken_at) FROM tbl_scraping WHERE ig_username='surabaya' AND (taken_at BETWEEN '2021-01-01' AND '2021-12-31'))) AS f_2021

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾ Filter rows: Search this table

+ Options

f_2020	AS f_2021
288380	349873