

Nama : Kharisma Novi Chandramukti

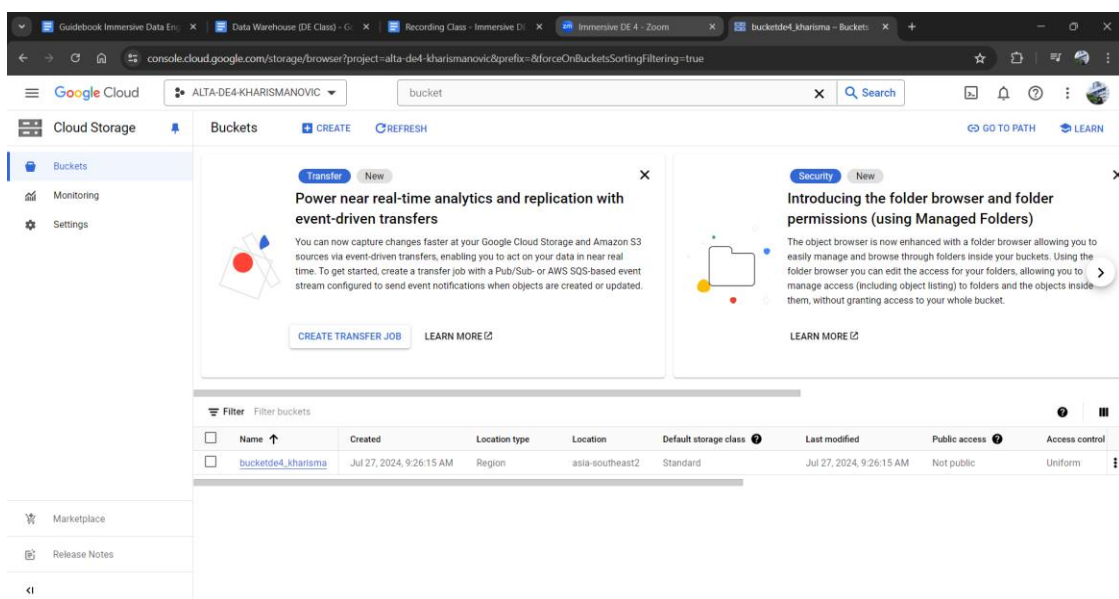
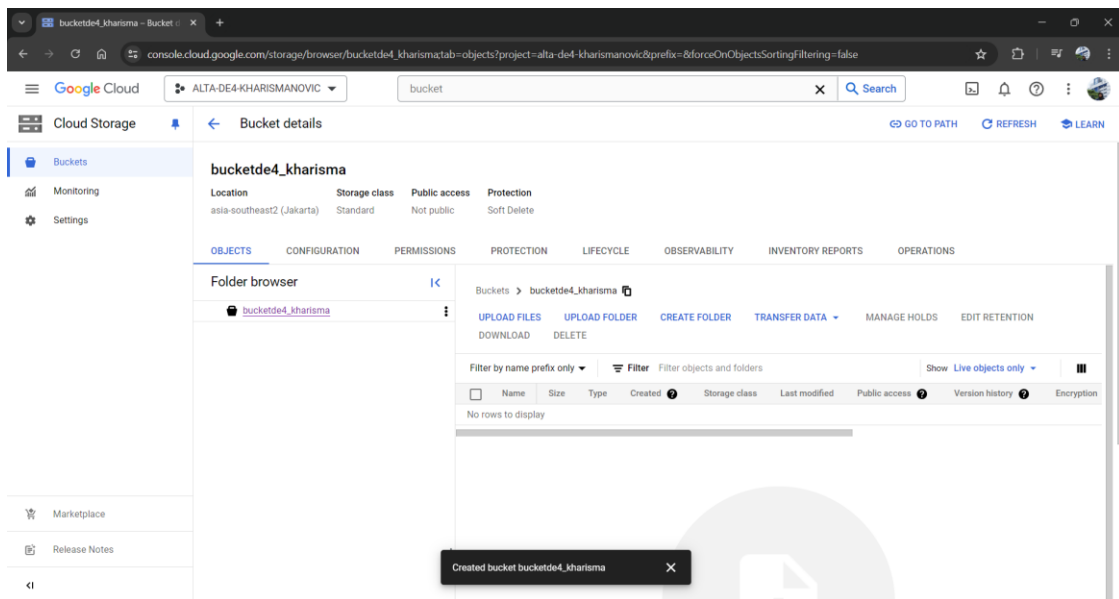
Kelas/Batch : Data Engineering 4

Part 4 – Big Query

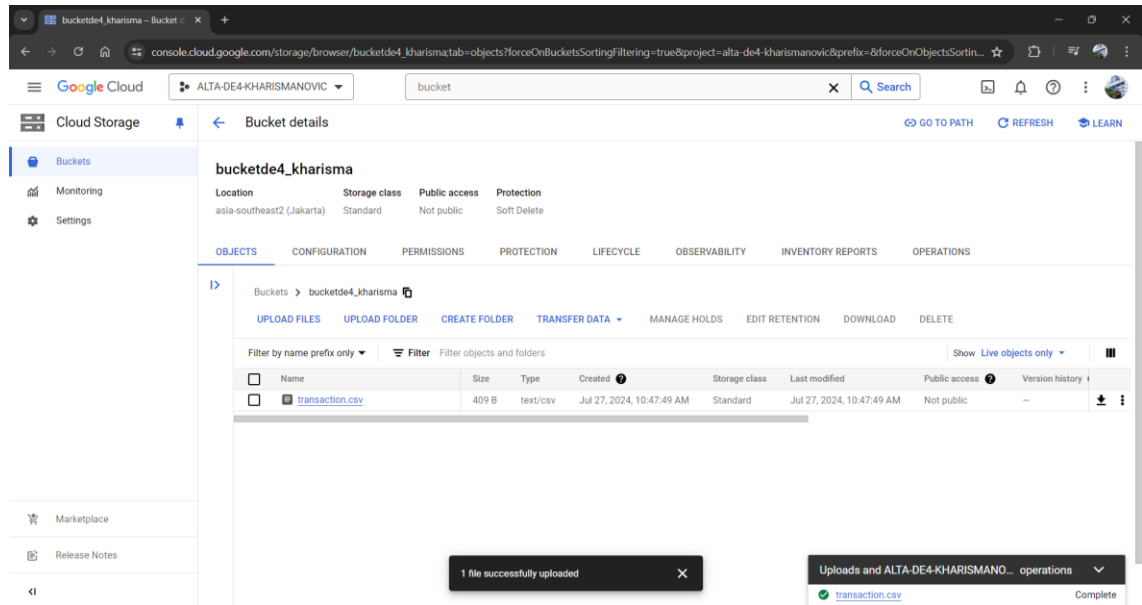
1. Buat sebuah bucket di GCS, upload beberapa file ke bucket tersebut

JAWAB :

- Membuat bucket pada GCS dengan nama bucket yaitu bucketde4_kharisma



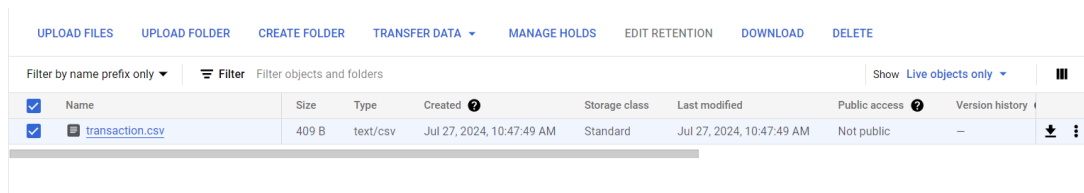
- Upload files transaction.csv ke bucket



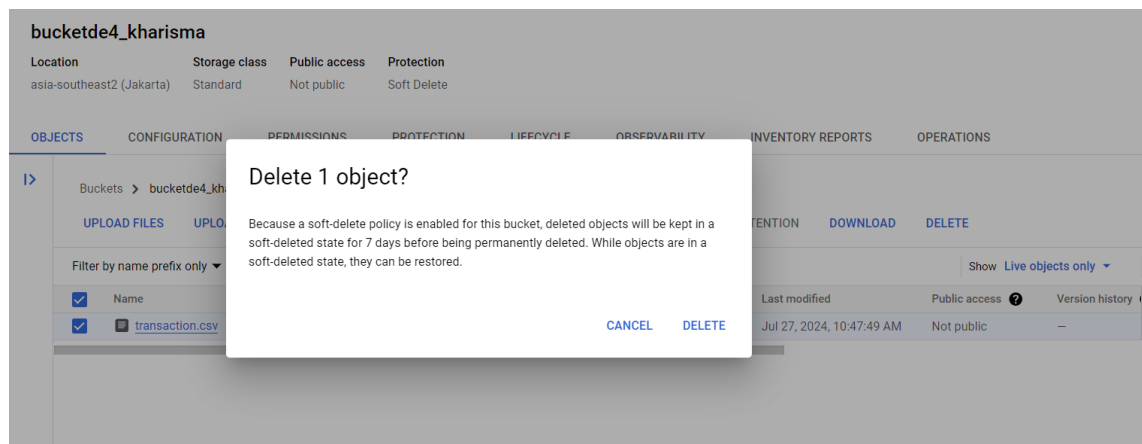
2. Hapus file yang sudah diupload

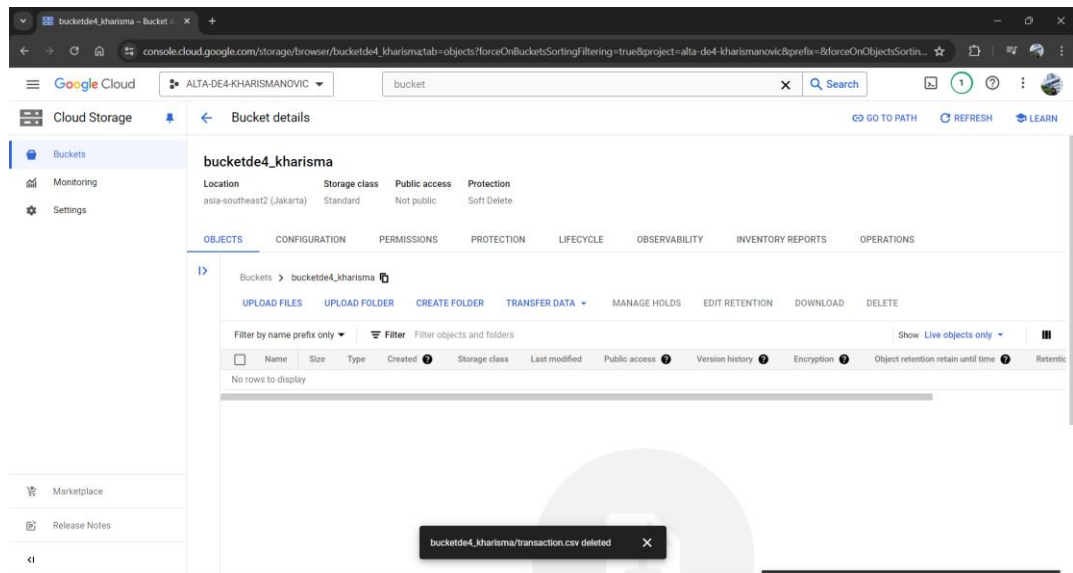
JAWAB :

- Mencentang file yang akan dihapus



- Memilih **DELETE** untuk menghapus file yang sudah diupload

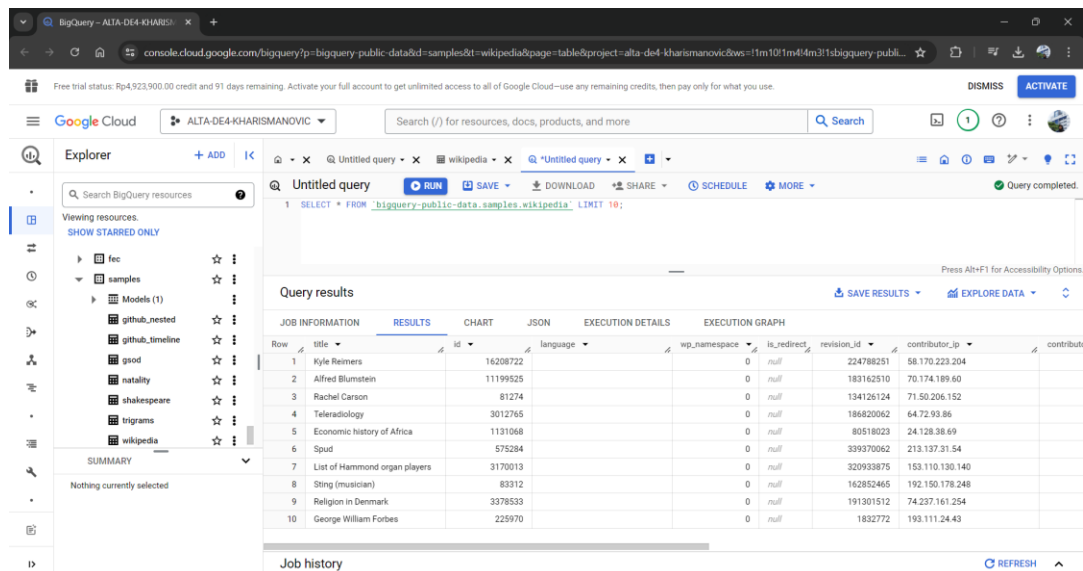




3. Lakukan eksplorasi sample data Wikipedia (<https://console.cloud.google.com/bigquery?p=bigquery-public-data&d=samples&t=wikipedia&page=table>) dengan menggunakan big query

JAWAB :

- Melihat struktur tabel dengan limit 10



- Menghitung jumlah total baris pada tabel Wikipedia

The screenshot shows the Google Cloud BigQuery console. In the 'Explorer' panel on the left, the 'samples' dataset is expanded, and the 'wikipedia' table is selected. The 'Query editor' on the right contains the following SQL query:

```
1 SELECT COUNT (*) AS TOTAL_ROWS FROM `bigquery-public-data.samples.wikipedia`;
```

The 'Query results' panel shows the execution of this query. The 'RESULTS' tab is active, displaying a single row with the total count of rows in the table.

Row	TOTAL_ROWS
1	313797035

4. Munculkan jumlah kontribusi dari masing-masing contributor_ip, urutkan dari kontribusi terbesar ke kontribusi terkecil

JAWAB :

The screenshot shows the Google Cloud BigQuery console with a new query entered in the 'Query editor':

```
1 SELECT DISTINCT contributor_ip, COUNT (*) AS contributor_count FROM `bigquery-public-data.samples.wikipedia` WHERE contributor_ip IS NOT NULL GROUP BY contributor_ip ORDER BY contributor_count DESC;
```

The 'Query results' panel shows the execution of this query. The 'RESULTS' tab is active, displaying a list of contributor IPs and their corresponding contribution counts, sorted in descending order.

Row	contributor_ip	contributor_count
1	Template namespace initialisat...	48803
2	Conversion script	31744
3	217.129.67.28	24431
4	204.153.84.10	23215
5	68.39.174.238	22614
6	202.156.6.54	19444
7	208.81.184.4	16427
8	131.107.0.80	14623
9	131.107.0.73	14431
10	156.110.24.142	12649
11	222.251.209.94	12259