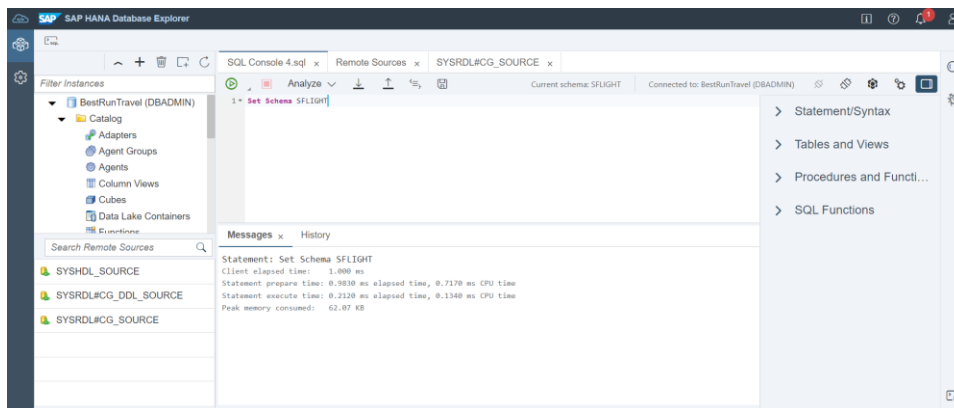


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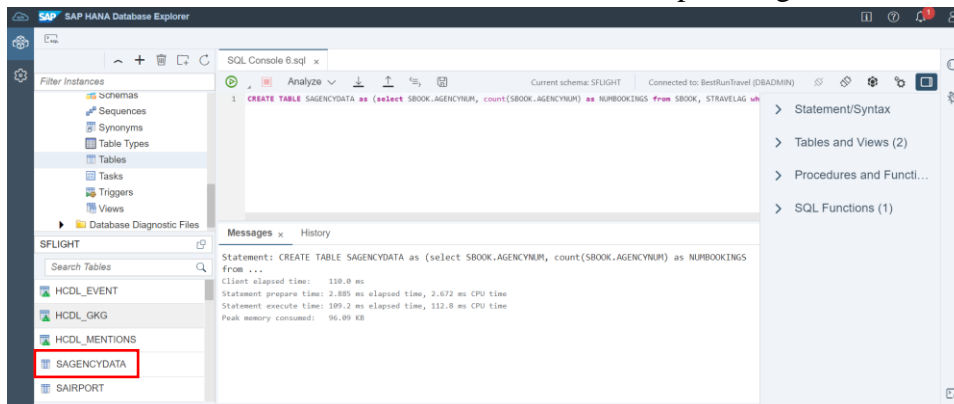
Tugas 5

Module 5 : Query Data on SAP HANA Cloud

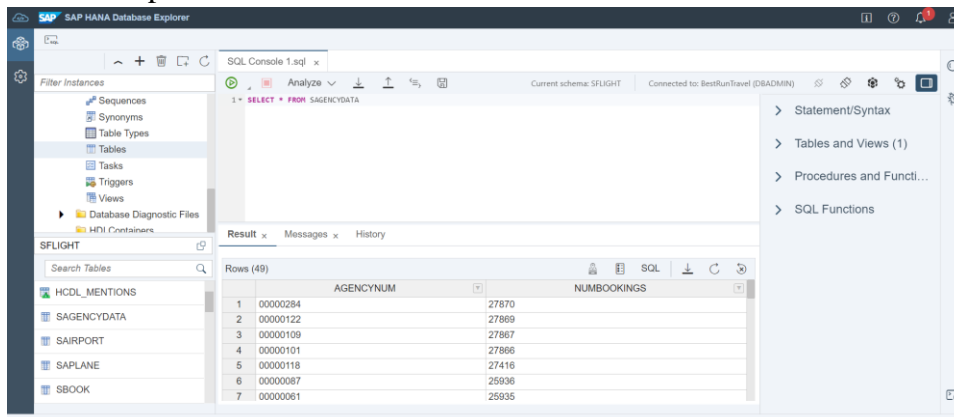
- Masuk ke SAP HANA Database Explorer dan Open SQL Console.
- Masukkan perintah Set Schema SFLIGHT untuk menggunakan schema SFLIGHT, lalu klik button run.



- Gunakan tabel SBOOK dan STRAVELAG dan buat tabel baru SAGENCYDATA untuk mengekstrak jumlah total pemesanan pada agensi dengan perintah :
CREATE TABLE SAGENCYDATA as (select SBOOK.AGENCYNUM, count (SBOOK.AGENCYNUM) as NUMBOOKINGS from SBOOK, STRAVELAG where SBOOK.AGENCYNUM=STRAVELAG.AGENCYNUM group by SBOOK.AGENCYNUM order by count(SBOOK.AGENCYNUM)desc);
Setelah berhasil membuat tabel. Tabel akan muncul pada bagian kiri bawah.



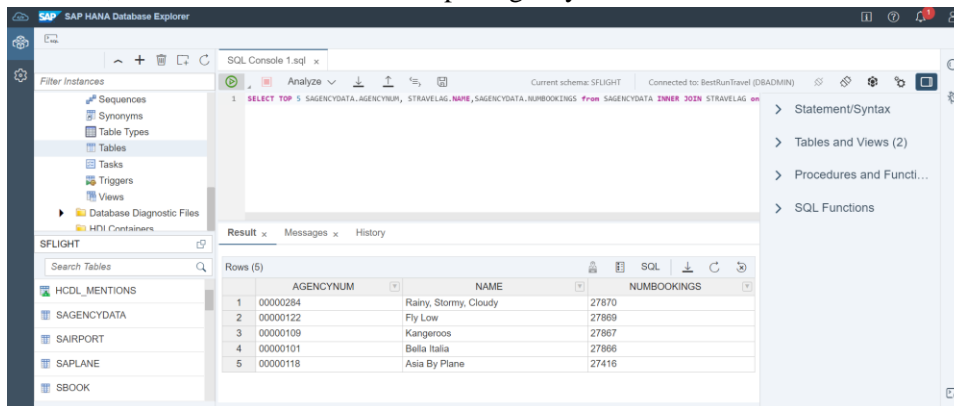
- Masukkan perintah **SELECT * FROM SAGENCYDATA** untuk melihat seluruh isi tabel.



- Gabungkan tabel STRAVELAG dan SAGENCYDATA untuk mengambil data Top 5 Agency dengan perintah:

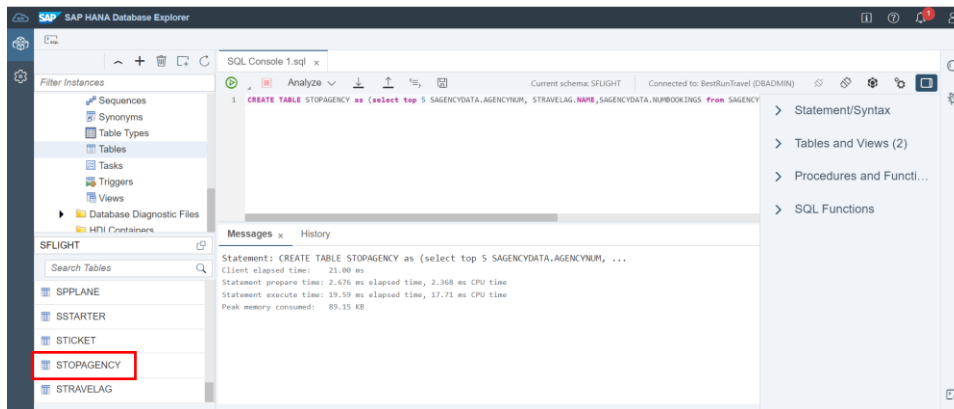
```
SELECT TOP 5 SAGENCYDATA.AGENCYNUM, STRAVELAG.NAME,
SAGENCYDATA.NUMBOOKINGS from SAGENCYDATA INNER JOIN STRAVELAG on
SAGENCYDATA.AGENCYNUM = STRAVELAG.AGENCYNUM;
```

Klik run, maka akan muncul hasil Top 5 Agency

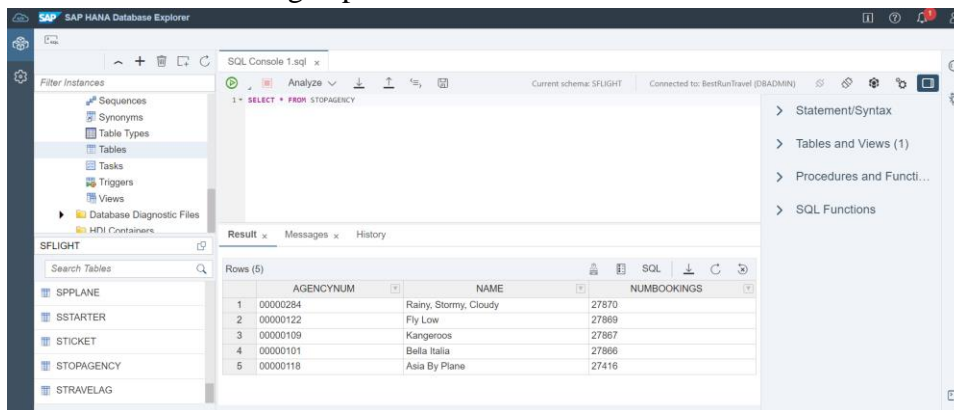


- Setelah itu buat tabel baru STOPAGENCY dan SAGBOOKDAYS untuk mengambil data top booking day dengan perintah :

```
CREATE TABLE STOPAGENCY as (select top 5 SAGENCYDATA.AGENCYNUM,
STRAVELAG.NAME,SAGENCYDATA.NUMBOOKINGS from SAGENCYDATA INNER JOIN
STRAVELAG on SAGENCYDATA.AGENCYNUM = STRAVELAG.AGENCYNUM);
```

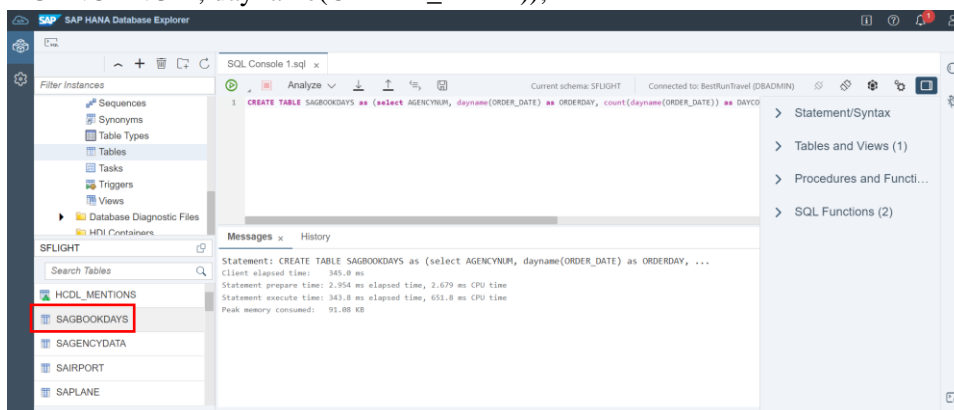


Dan lihat isi tabel dengan perintah **SELECT * FROM STOPAGENCY**.



- Buat tabel SAGBOOKDAYS yang berisikan informasi detail jumlah booking agency per hari dengan perintah:

CREATE TABLE SAGBOOKDAYS as (select AGENCYNUM, dayname(ORDER_DATE) as ORDERDAY, count(dayname(ORDER_DATE)) as DAYCOUNT from SBOOK group by AGENCYNUM, dayname(ORDER_DATE));



Dan lihat isi tabel dengan perintah **SELECT * FROM SAGBOOKDAYS**.

The screenshot shows the SAP HANA Database Explorer interface. The SQL Console displays the query `SELECT * FROM SAGBOOKDAYS`. The result set, titled 'Result', shows 350 rows. The columns are AGENCYNUM, ORDERDAY, and DAYCOUNT. The data is as follows:

Row	AGENCYNUM	ORDERDAY	DAYCOUNT
1	00000121	SATURDAY	3406
2	00000087	SATURDAY	3708
3	00000301	FRIDAY	3523
4	00000124	FRIDAY	3476
5	00000108	TUESDAY	3480
6	00000310	MONDAY	3512
7	00000117	SUNDAY	3444

- Selanjutnya ekstrak data hari dengan jumlah booking maksimum untuk setiap top 5 agency dengan perintah:

```
SELECT SAGBOOKDAYS.AGENCYNUM, STOPAGENCY.NAME,
SAGBOOKDAYS.ORDERDAY, SAGBOOKDAYS.DAYCOUNT from SAGBOOKDAYS
INNER JOIN STOPAGENCY on
SAGBOOKDAYS.AGENCYNUM=STOPAGENCY.AGENCYNUM where
SAGBOOKDAYS.DAYCOUNT in (select max(DAYCOUNT) from SAGBOOKDAYS group by
AGENCYNUM);
```

The screenshot shows the SAP HANA Database Explorer interface. The SQL Console displays the query: `SELECT SAGBOOKDAYS.AGENCYNUM, STOPAGENCY.NAME, SAGBOOKDAYS.ORDERDAY, SAGBOOKDAYS.DAYCOUNT from SAGBOOKDAYS INNER JOIN STOPAGENCY on SAGBOOKDAYS.AGENCYNUM=STOPAGENCY.AGENCYNUM where SAGBOOKDAYS.DAYCOUNT in (select max(DAYCOUNT) from SAGBOOKDAYS group by AGENCYNUM);`. The result set, titled 'Result', shows 5 rows. The columns are AGENCYNUM, NAME, ORDERDAY, and DAYCOUNT. The data is as follows:

Row	AGENCYNUM	NAME	ORDERDAY	DAYCOUNT
1	00000122	Fly Low	THURSDAY	4037
2	00000109	Kangeroos	THURSDAY	4095
3	00000118	Asia By Plane	TUESDAY	4004
4	00000101	Bella Italia	THURSDAY	4038
5	00000284	Rainy, Stormy, Cloudy	MONDAY	4108