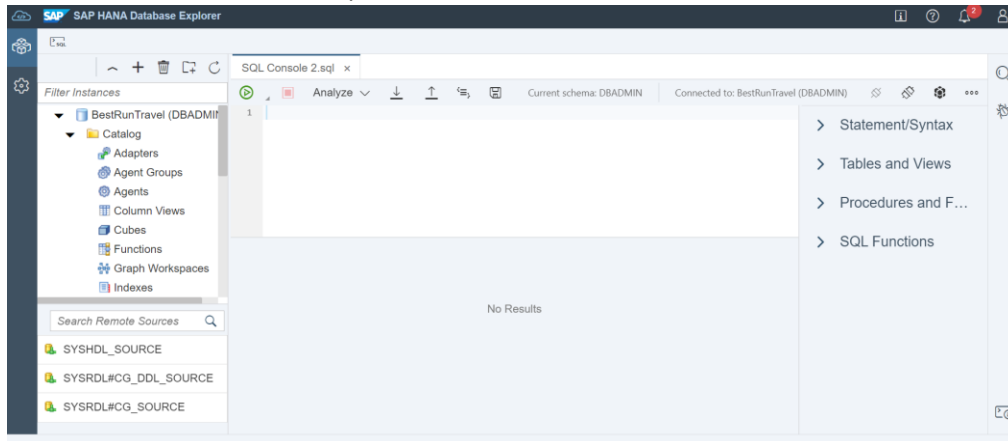


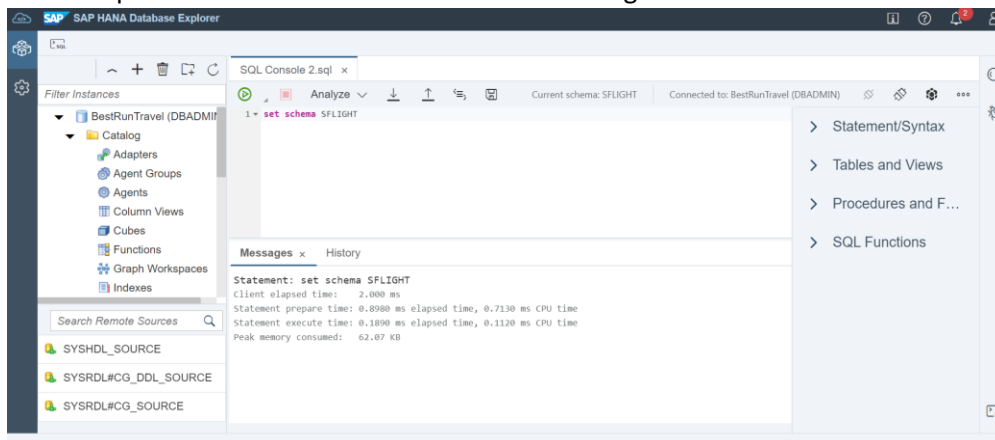
Nama : Ivan Tandella
NIM : 201402022
Mata Kuliah : Enterprise Development Software

Module 5 – Query Data on SAP HANA Cloud

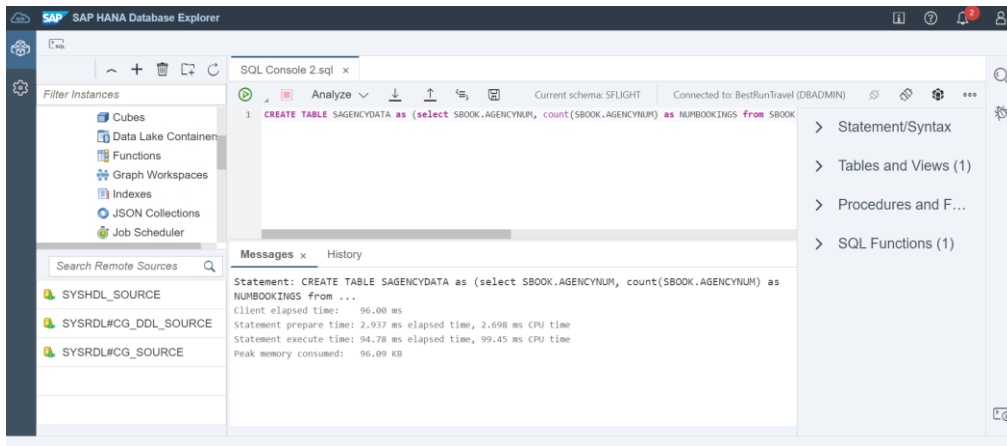
- Buka SAP HANA Database Explorer, lalu buka console



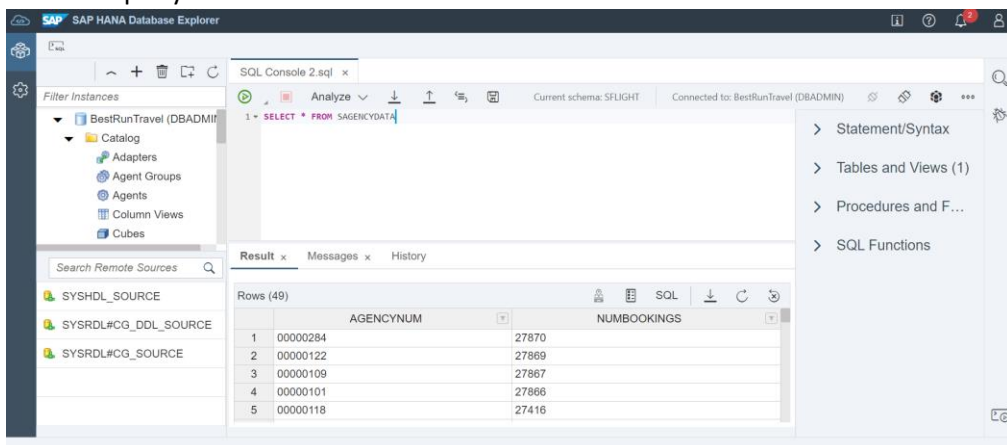
- Jalankan perintah “set schema SFLIGHT” untuk mengubah current schema



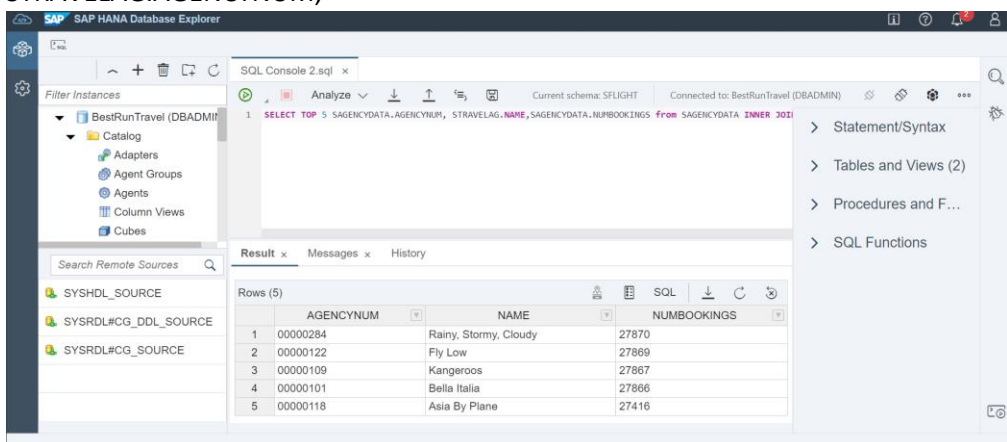
- Buatlah tabel baru SAGENCYDATA yang diambil dari tabel SBOOK dan STRAVELAG untuk mengambil data total booking dari setiap agensi.
CREATE TABLE SAGENCYDATA as (select SBOOK.AGENCYNUM, count(SBOOK.AGENCYNUM) as NUMBOOKINGS from SBOOK, STRAVELAG where SBOOK.AGENCYNUM=STRAVELAG.AGENCYNUM group by SBOOK.AGENCYNUM order by count(SBOOK.AGENCYNUM)desc);



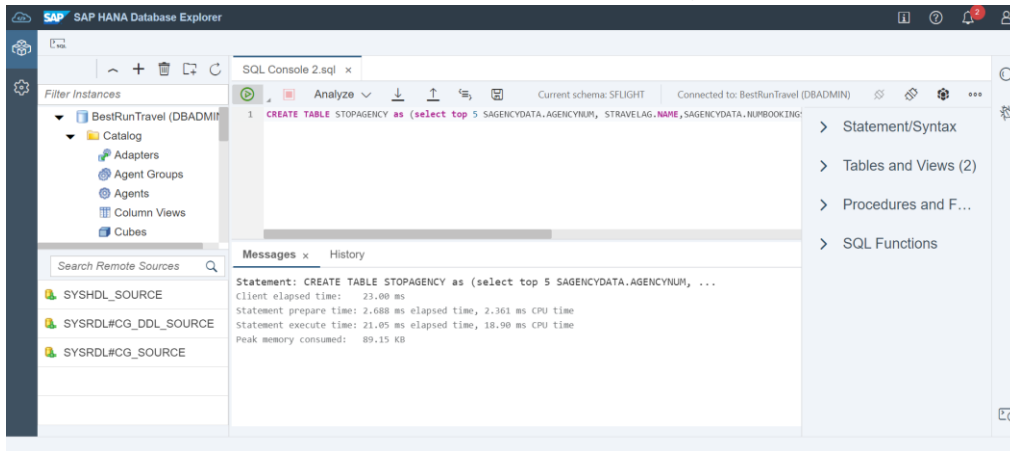
- Jalankan query `SELECT * FROM SAGENCYDATA` untuk melihat isi tabel



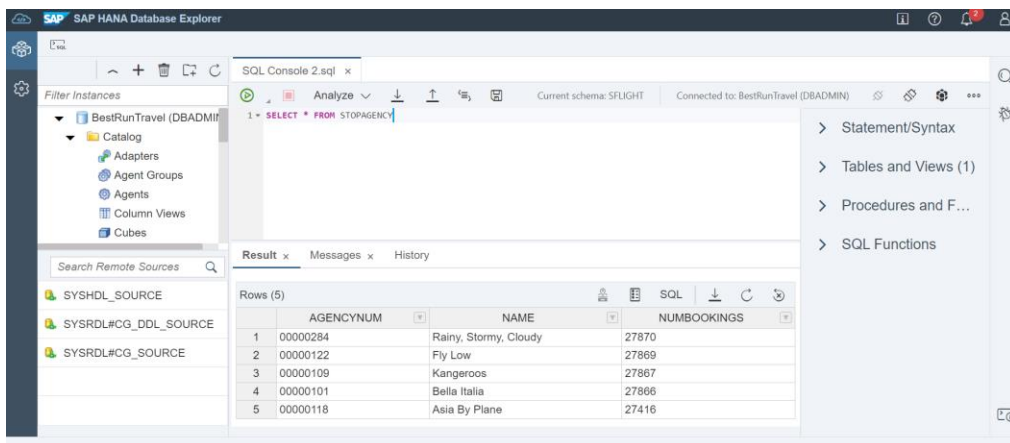
- Lakukan join table untuk mengambil top 5 agency.
`SELECT TOP 5 SAGENCYDATA.AGENCYNUM, STRAVELAG.NAME, SAGENCYDATA.NUMBOOKINGS`
`from SAGENCYDATA INNER JOIN STRAVELAG on SAGENCYDATA.AGENCYNUM =`
`STRAVELAG.AGENCYNUM;`



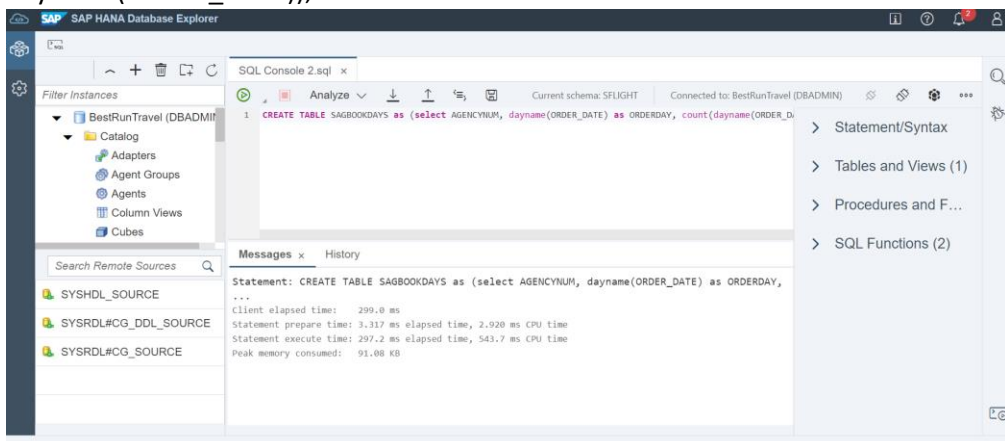
- Untuk mengambil top booking day, kita perlu membuat tabel STOPAGENCY dan SAGBOOKDAYS
 CREATE TABLE STOPAGENCY as (select top 5 SAGENCYDATA.AGENCYNUM,
 STRAVELAG.NAME,SAGENCYDATA.NUMBOOKINGS from SAGENCYDATA INNER JOIN STRAVELAG on
 SAGENCYDATA.AGENCYNUM = STRAVELAG.AGENCYNUM);



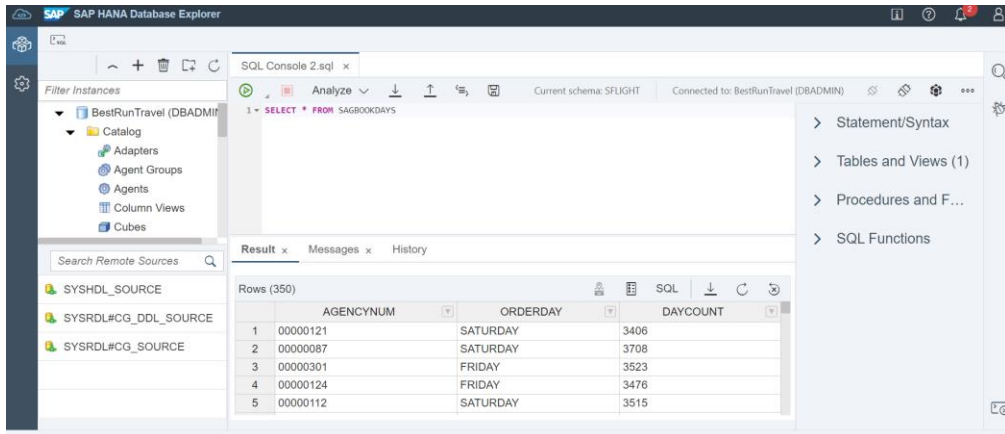
SELECT * FROM STOPAGENCY



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));



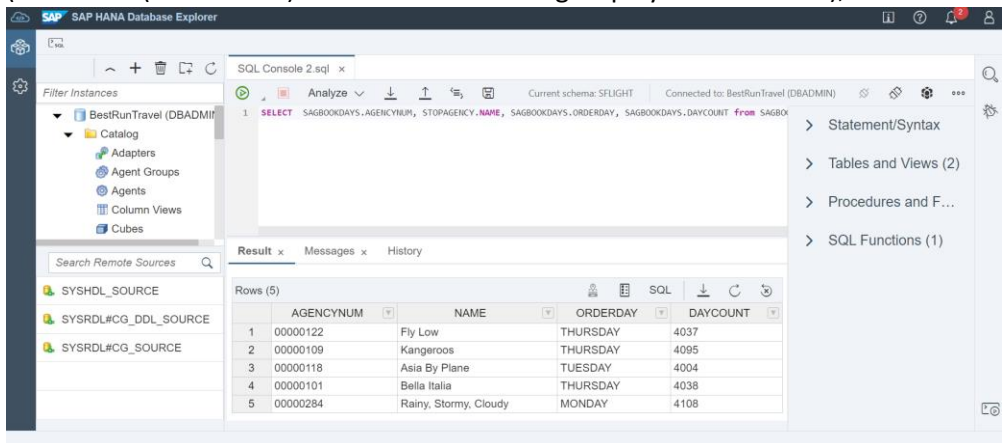
SELECT * FROM SAGBOOKDAYS



The screenshot shows the SAP HANA Database Explorer interface. The SQL Console displays the query `SELECT * FROM SAGBOOKDAYS`. The result set shows 350 rows. The columns are AGENCYNUM, ORDERDAY, and DAYCOUNT. The first five rows are displayed in the table below.

	AGENCYNUM	ORDERDAY	DAYCOUNT
1	00000121	SATURDAY	3406
2	00000087	SATURDAY	3708
3	00000301	FRIDAY	3523
4	00000124	FRIDAY	3476
5	00000112	SATURDAY	3515

- Jalankan query berikut untuk mengambil data booking days dari masing-masing top 5 agency
`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 shows 5 rows. The columns are AGENCYNUM, NAME, ORDERDAY, and DAYCOUNT. The first five rows are displayed in the table below.

	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

Selamat! Kita telah berhasil mendapatkan data top 5 agency beserta hari dengan booking terbanyak dari masing-masing agency.