

Modul – 5 : Query Data on SAP HANA Cloud

- Buka SAP HANA Database Explorer -> open SQL console (ctrl + alt + C) -> masukkan syntax : set schema SFLIGHT

The screenshot shows the SAP HANA SQL Console interface. The top bar indicates the current schema is SFLIGHT and the connection is to MaxTravel. The SQL editor contains the statement `set schema SFLIGHT`. The Messages pane at the bottom shows the execution details for this statement.

```
SQL Console 1.sql x
```

Analyze [down arrow] [up arrow] [refresh] [save]

Current schema: SFLIGHT | Connected to: MaxTravel

```
1 set schema SFLIGHT
```

Messages x History

Statement: set schema SFLIGHT
Client elapsed time: 1.000 ms
Statement prepare time: 1.081 ms elapsed time, 0.8340 ms CPU time
Statement execute time: 0.2170 ms elapsed time, 0.1250 ms CPU time
Peak memory consumed: 62.07 KB

- 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) ;

The screenshot shows the SAP HANA SQL Console interface. The top bar indicates the current schema is SFLIGHT and the connection is to MaxTravel. The SQL editor contains a complex CREATE TABLE statement. The Messages pane at the bottom shows the execution details for this statement.

```
SQL Console 1.sql x
```

Analyze [down arrow] [up arrow] [refresh] [save]

Current schema: SFLIGHT | Connected to: MaxTravel

```
1 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) ;
```

Messages x History

Statement: CREATE TABLE SAGENCYDATA as (select SBOOK.AGENCYNUM, count (SBOOK.AGENCYNUM) as NUMBOOKINGS from ...
...
Client elapsed time: 40.00 ms
Statement prepare time: 2.826 ms elapsed time, 2.591 ms CPU time
Statement execute time: 39.61 ms elapsed time, 43.92 ms CPU time
Peak memory consumed: 96.09 KB

- `SELECT * FROM SAGENCYDATA`

SQL Console 1.sql x

Analyze v Download Up SQL Down Refresh Close

Current schema: SFLIGHT Connected to: MaxTravel

1 SELECT * FROM SAGENCYDATA

Result x Messages x History

Rows (49)

	AGENCYNUM	NUMBOOKINGS
1	00000284	27870
2	00000122	27869
3	00000109	27867
4	00000101	27866
5	00000118	27416
6	00000087	25936
7	00000061	25935
8	00000113	24459
9	00000093	24458
10	00000104	24458
11	00000320	24458
12	00000111	24458
13	00000116	24458
14	00000117	24458
15	00000102	24457
16	00000105	24457
17	00000106	24457

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

SQL Console 1.sql x

Analyze v Download Up SQL Down Refresh Close

Current schema: SFLIGHT Connected to: MaxTravel

1 STRAVELAG.NAME, SAGENCYDATA.NUMBOOKINGS from SAGENCYDATA INNER JOIN STRAVELAG on SAGENCYDATA.AGENCYNUM = STRAVELAG.AGENCYNUM;

Result x Messages x History

Rows (5)

	AGENCYNUM	NAME	NUMBOOKINGS
1	00000284	Rainy, Stormy, Cloudy	27870
2	00000122	Fly Low	27869
3	00000109	Kangersoos	27867
4	00000101	Bella Italia	27866
5	00000118	Asia By Plane	27416

- 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

SQL Console 1.sql x

Analyze v | Download | Upload | SQL | Current schema: SFLIGHT | Connected to: MaxTravel

1 SELECT * FROM STOPAGENCY

Result x Messages x History

Rows (5)

	AGENCYNUM	NAME	NUMBOOKINGS
1	00000284	Rainy, Stormy, Cloudy	27870
2	00000122	Fly Low	27869
3	00000109	Kangeroos	27867
4	00000101	Bella Italia	27866
5	00000118	Asia By Plane	27416

- 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

SQL Console 1.sql x

Analyze v | Download | Upload | SQL | Current schema: SFLIGHT | Connected to: MaxTravel

1 SELECT * FROM SAGBOOKDAYS

Result x Messages x History

Rows (350)

	AGENCYNUM	ORDERDAY	DAYCOUNT
1	00000121	SATURDAY	3406
2	00000087	SATURDAY	3708
3	00000301	FRIDAY	3523
4	00000124	FRIDAY	3476
5	00000152	THURSDAY	2734
6	00000222	SUNDAY	2849
7	00000101	SATURDAY	4001
8	00000323	TUESDAY	3414
9	00000320	FRIDAY	3550
10	00000102	FRIDAY	3368
11	00000320	MONDAY	3444
12	00000000	THURSDAY	26899
13	00000087	FRIDAY	3692
14	00000107	THURSDAY	3463
15	00000125	FRIDAY	3545
16	00000104	THURSDAY	3449
17	00000123	WEDNESDAY	3536

- 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);

SQL Console 1.sql x

Analyze v Download Up Arrow SQL Editor Icon Current schema: SFLIGHT Connected to: MaxTravel

1 SELECT SAGBOOKDAYS.AGENCYNUM, STOPAGENCY.NAME, SAGBOOKDAYS.ORDERDAY, SAGBOOKDAYS.DAYCOUNT FROM SAGBOOKDAYS INNER JOIN STO
2

Result x Messages x History

Rows (5)

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

Now you can see that the most bookings for the top 5 agencies have been done on **Thursdays**.