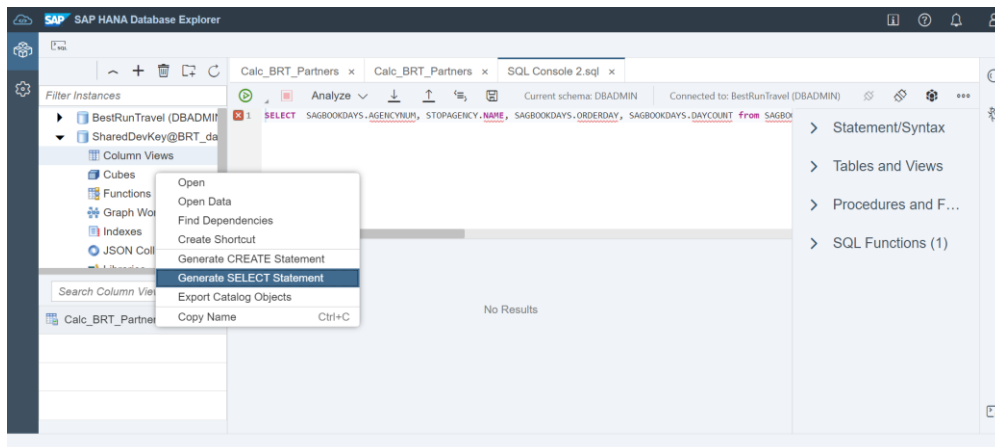


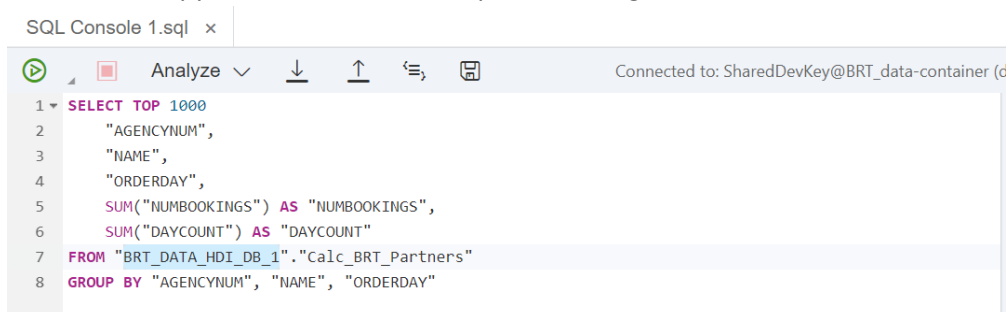
Nama : Ivan Tandella
NIM : 201402022
Mata Kuliah : Enterprise Development Software

UTS Module 8 – Share a Subset of Your Data Securely

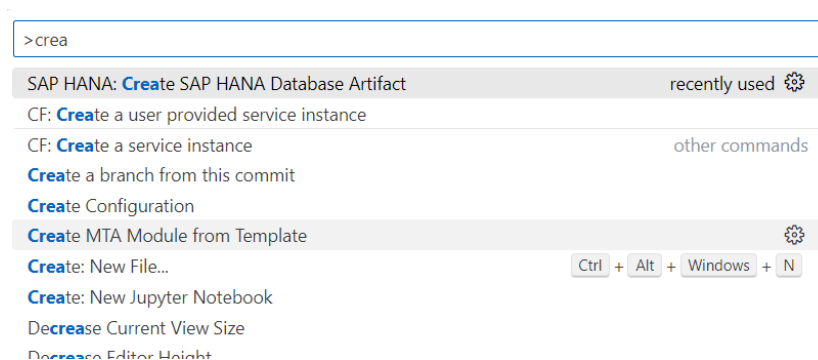
- Buka sap hana database explorer. Pilih column view lalu klik kanan pada nama calculation, pilih Generate SELECT Statement



- Pada line 7, copy nama schema lalu simpan untuk digunakan nanti



- Selanjutnya kita perlu mengatur autorisasi select pada calculation view yaitu dengan file hdbrole
- Buka sap business application studio. Pilih View -> Command Palette. Pilih create hana database artifact



- Pilih Role (hdbrole) pada artifact type, isi nama artifact dengan publicaccessrole, dan pastikan pathnya berada dalam folder src. Lalu klik create

Create SAP HANA Database Artifact

Choose the artifact that you need for your project.

Specify where you want to create the new artifact. ⓘ *

/home/user/projects/BRT_data/db/src

Choose the database version. ⓘ *

SAP HANA Cloud

Choose the artifact type. ⓘ *

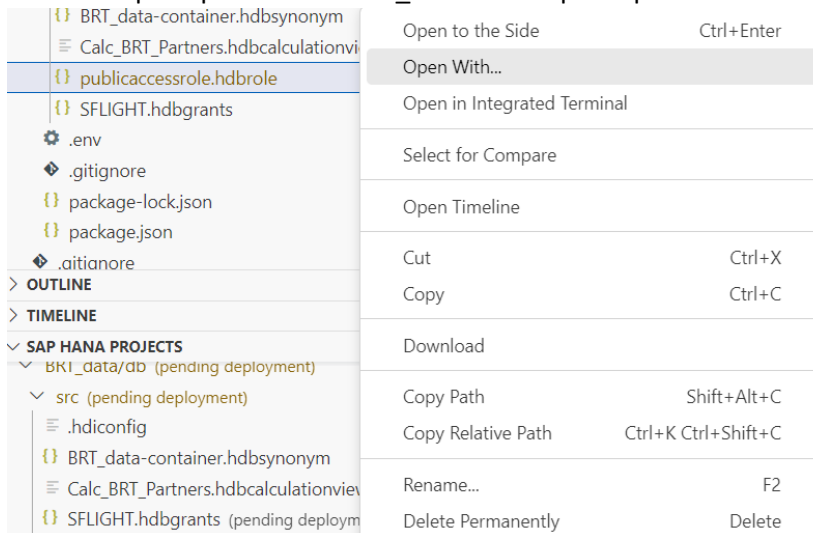
Role (hdbrole)

Specify the artifact name. ⓘ *

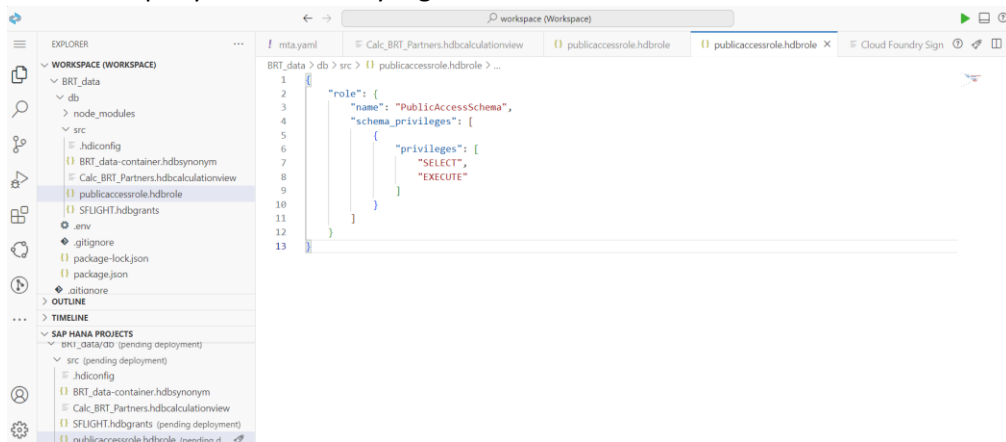
publicaccessrole

Create



- Klik kanan pada publicaccessrole_hdbrole lalu pilih open with text editor



- Masukkan query dari resource yang telah disediakan



- Lalu deploy dengan klik icon rocket di samping publicaccessrole.hdbrole

 publicaccessrole.hdbrole (pending d... 

- Tunggu hingga selesai

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
SAP HANA: Deploy module at /home/user/projects/BRT_data/db (BRT_data) - Task ✓ + ▢ 🗑️ ⋮ ^ ×

Make succeeded (0 warnings): 1 files deployed (effective 1), 0 files undeployed (effective 0), 0 dependent files redeployed
Making... ok (1s 192ms)
Enabling table replication for the container schema "BRT_DATA_HDI_DB_1"...
Enabling table replication for the container schema "BRT_DATA_HDI_DB_1"... ok (0s 7ms)
Starting make in the container "BRT_DATA_HDI_DB_1" with 1 files to deploy, 0 files to undeploy... ok (1s 230ms)
Deploying to the container "BRT_DATA_HDI_DB_1"... ok (1s 420ms)
No default-access-role handling needed; global role "BRT_DATA_HDI_DB_1::access_role" will not be adapted
Unlocking the container "BRT_DATA_HDI_DB_1"...
Unlocking the container "BRT_DATA_HDI_DB_1"... ok (0s 0ms)
Deployment to container BRT_DATA_HDI_DB_1 done [Deployment ID: none].
Deployment ended at 2023-10-16 11:17:14
(4s 59ms)

Terminal will be reused by tasks, press any key to close it.
```

- Lalu deploy seluruh project kembali

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
SAP HANA: Deploy module at /home/user/projects/BRT_data/db (BRT_data) - Task ✓ + ▢ 🗑️ ⋮ ^ ×

No make necessary
Making... ok (0s 30ms)
Enabling table replication for the container schema "BRT_DATA_HDI_DB_1"...
Enabling table replication for the container schema "BRT_DATA_HDI_DB_1"... ok (0s 9ms)
Starting make in the container "BRT_DATA_HDI_DB_1" with 0 files to deploy, 0 files to undeploy... ok (0s 74ms)
Deploying to the container "BRT_DATA_HDI_DB_1"... ok (0s 268ms)
No default-access-role handling needed; global role "BRT_DATA_HDI_DB_1::access_role" will not be adapted
Unlocking the container "BRT_DATA_HDI_DB_1"...
Unlocking the container "BRT_DATA_HDI_DB_1"... ok (0s 0ms)
Deployment to container BRT_DATA_HDI_DB_1 done [Deployment ID: none].
Deployment ended at 2023-10-16 11:18:48
(2s 866ms)

Terminal will be reused by tasks, press any key to close it.
```

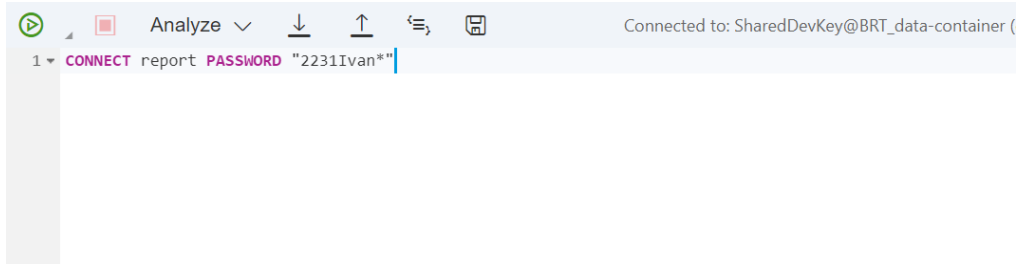
- Lalu buka hdi container menggunakan database explorer, kemudian buka sql console.
- Selanjutnya kita akan membuat user baru dengan query berikut
create user report password <your_password> NO FORCE_FIRST_PASSWORD_CHANGE set
usergroup default;

```
SQL Console 1.sql x SQL Console 2.sql x
Analyze ▾ ⬇ ⬆ ⌘
Connected to: SharedDevKey@BRT_data-container (d
1 create user report password "2231Ivan*" NO FORCE_FIRST_PASSWORD_CHANGE set usergroup default;
```

- Setelah user berhasil dibuat, kita perlu memberi akses pada user tersebut. Gunakan query berikut.
grant SCHEMA_NAME."PublicAccessSchema" to report

```
Analyze ▾ ⬇ ⬆ ⌘
Connected to: SharedDevKey@BRT_data-container
1 grant BRT_DATA_HDI_DB_1."PublicAccessSchema" to report
```

- Untuk mengujinya kita dapat login user dengan query berikut
CONNECT report PASSWORD <Your_Password>



- Lalu jalankan query select yang telah dibuat sebelumnya, dapat dilihat hasilnya seperti berikut.

Result x Messages x History					
Rows (5)					
	AGENCYNUM	NAME	ORDERDAY	NUMBOOKINGS	DAYCOUNT
1	00000284	Rainy, Stormy, Cloudy	MONDAY	27870	4108
2	00000101	Bella Italia	THURSDAY	27866	4038
3	00000122	Fly Low	THURSDAY	27869	4037
4	00000109	Kangeroos	THURSDAY	27867	4095
5	00000118	Asia By Plane	TUESDAY	27416	4004