

Nama : Jogiana Simangunsong

NIM : 191402006

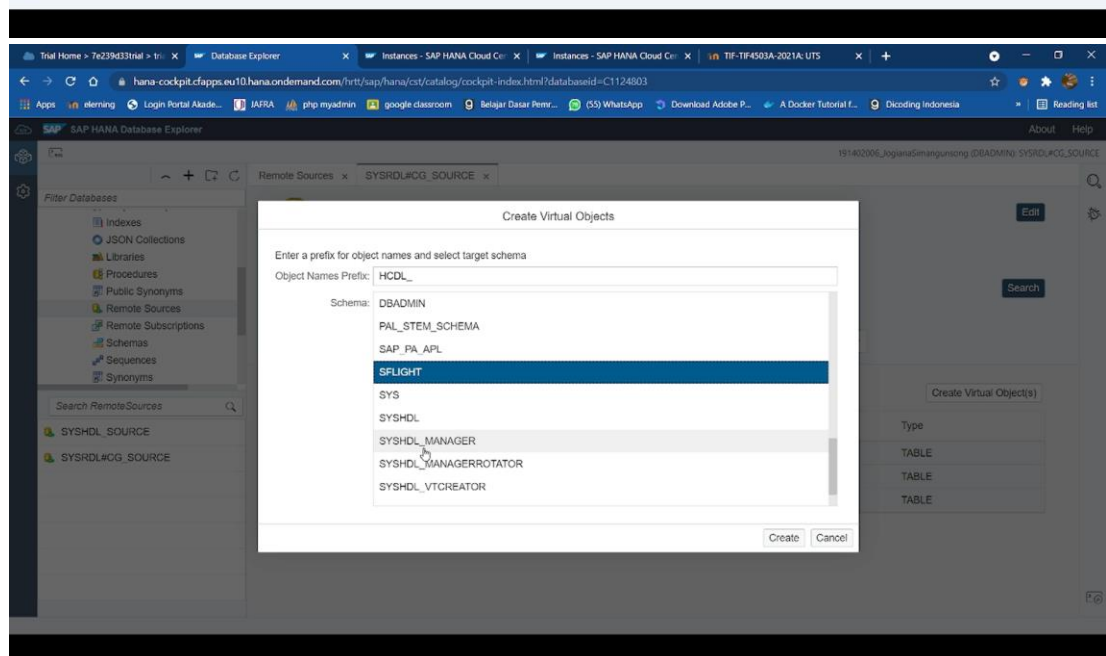
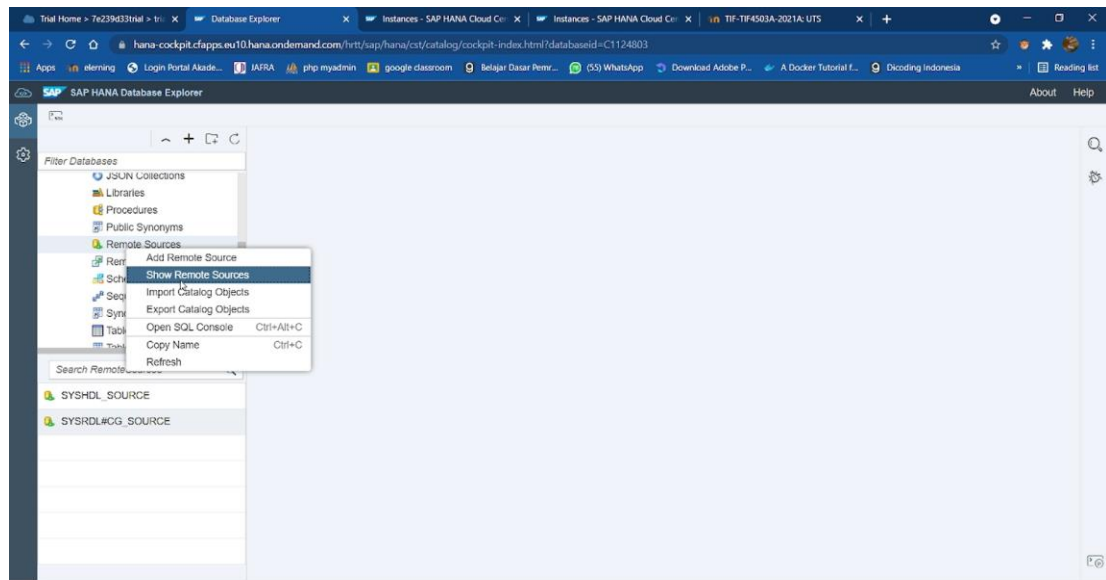
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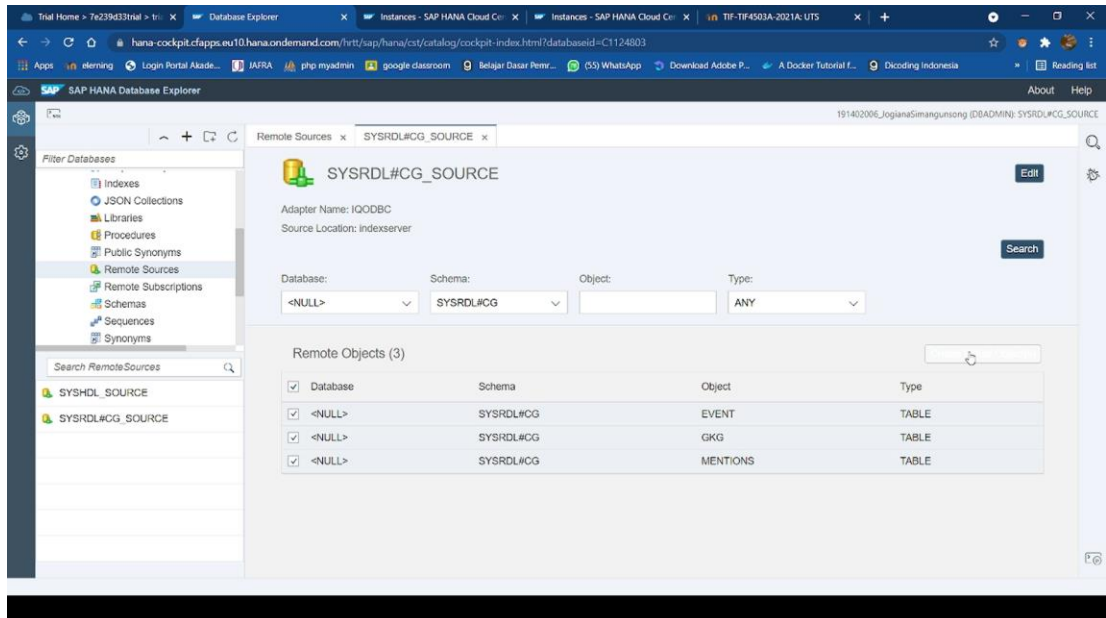
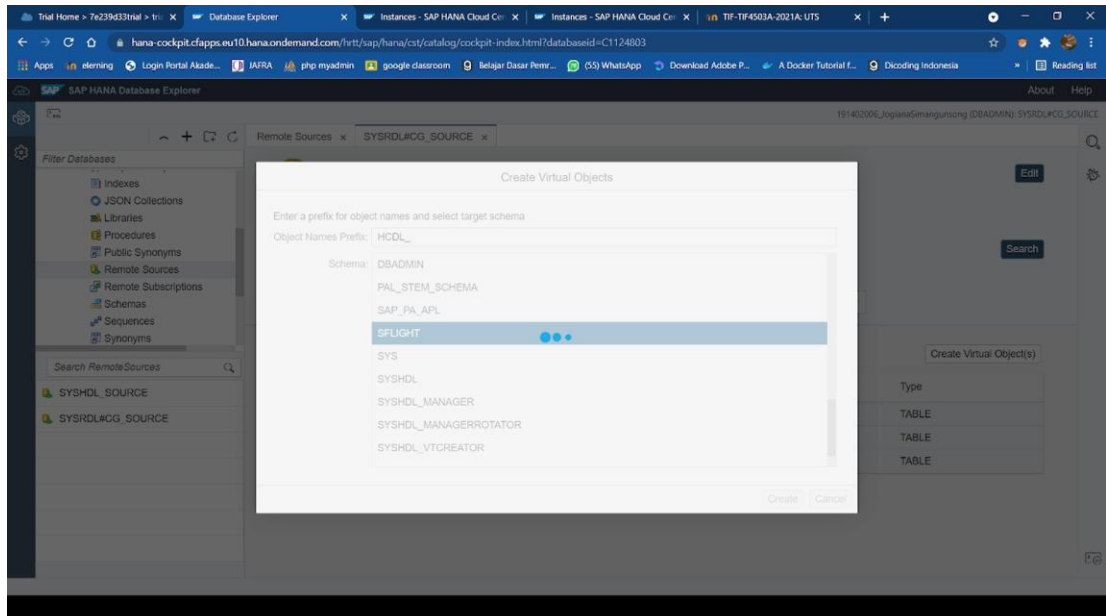
UTS Enterprise Development Software

Link yt :

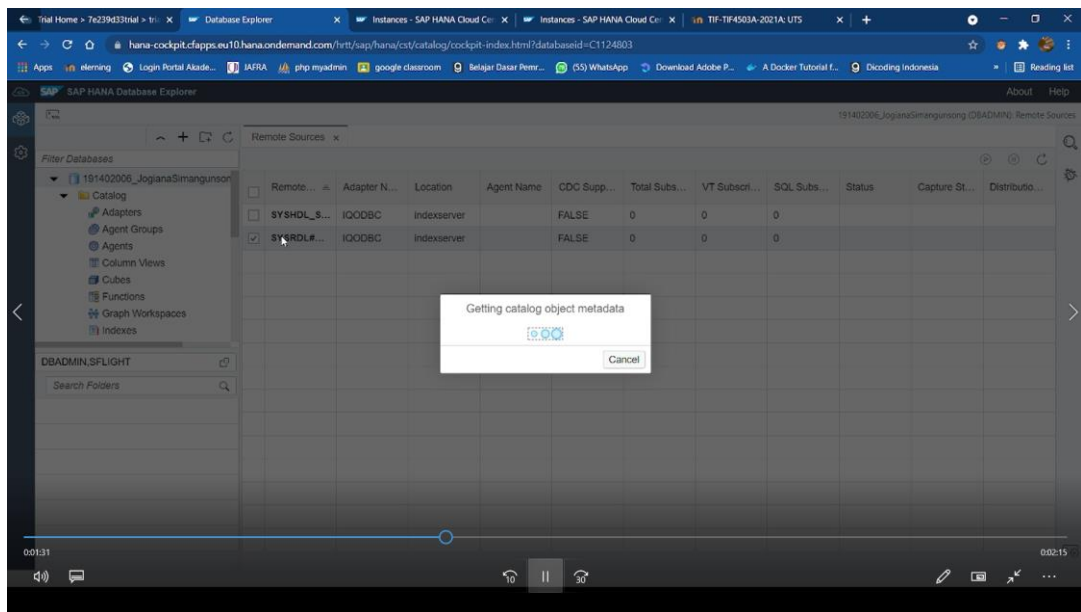
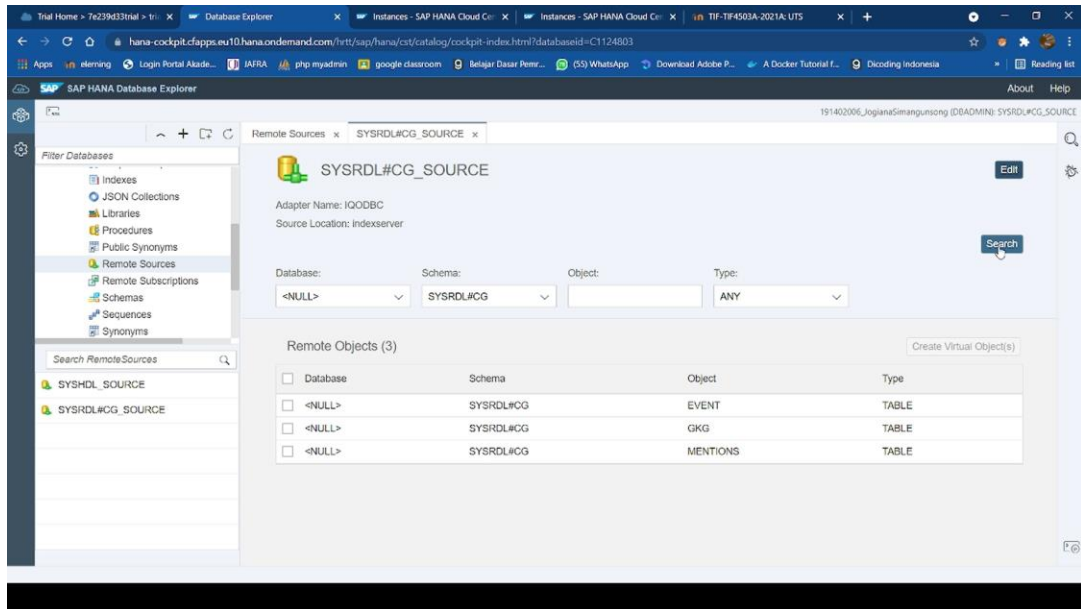
A. Module 4

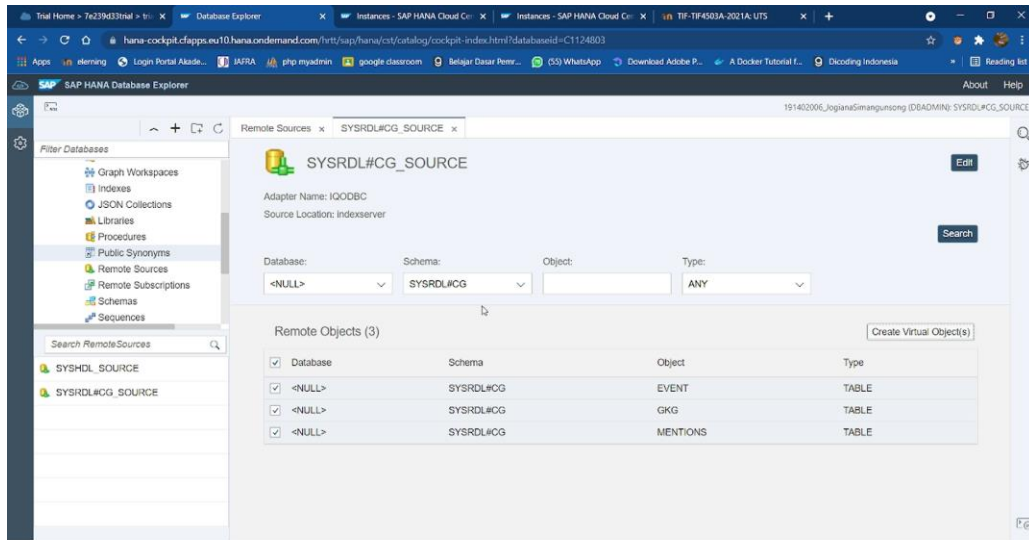
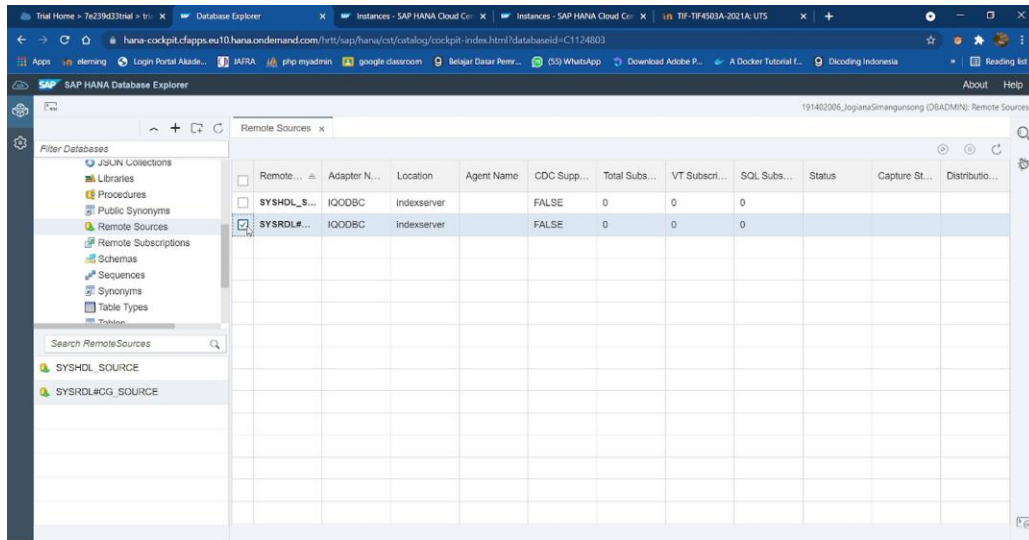
Module ini untuk melanjutkan tugas 2 minggu lalu.





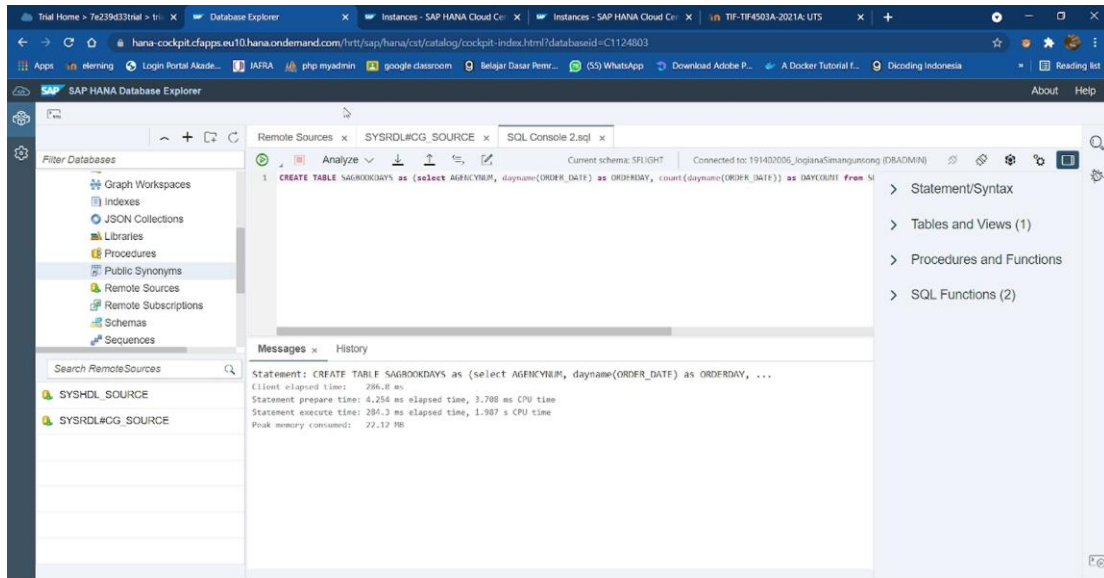




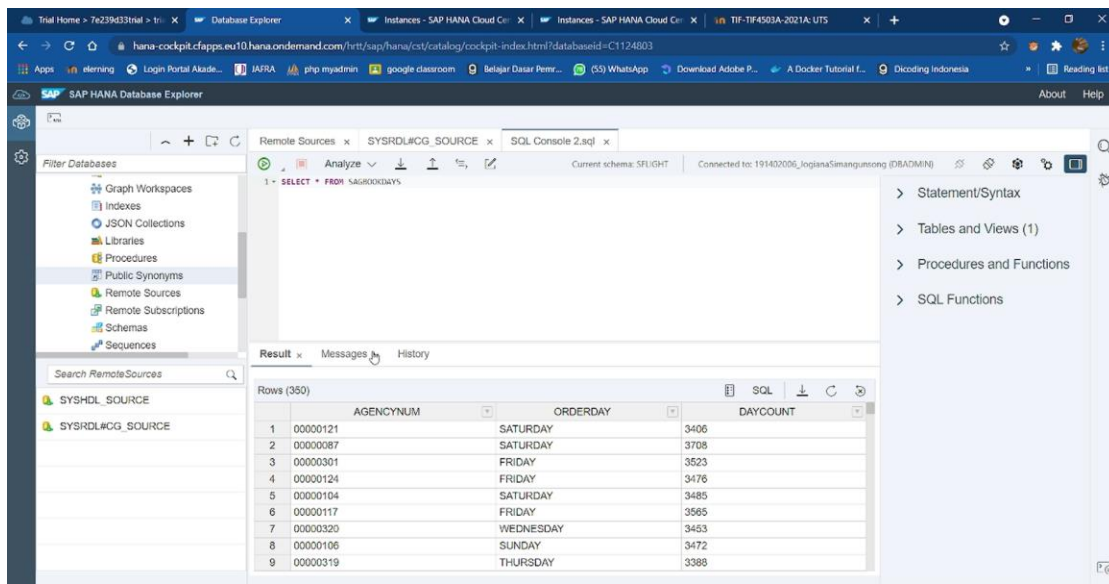


## B. Module 5

Query pertama :



Lihat table



Query kedua :

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays the 'Filter Databases' tree with 'SYSDDL\_SOURCE' and 'SYSRDL#CG\_SOURCE' selected. The main pane shows the 'SQL Console 2.sql' with the query: `SELECT * FROM $TOPAGENCY`. The 'Result' tab displays a table with 5 rows and 4 columns: AGENCYNUM, NAME, and NUMBOOKINGS. The data is as follows:

AGENCYNUM	NAME	NUMBOOKINGS
00000284	Rainy, Stormy, Cloudy	27670
00000122	Fly Low	27669
00000109	Kangeroos	27667
00000101	Bella Italia	27666
00000118	Asia By Plane	27416

Lihat table

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays the 'Filter Databases' tree with 'SYSDDL\_SOURCE' and 'SYSRDL#CG\_SOURCE' selected. The main pane shows the 'SQL Console 2.sql' with the query: `CREATE TABLE STOPAGENCY as (select top 5 SAGENCYDATA.AGENCYNUM, ...`. The 'Messages' tab displays the execution details for the statement:

Statement: CREATE TABLE STOPAGENCY as (select top 5 SAGENCYDATA.AGENCYNUM, ...  
Client elapsed time: 49.00 ms  
Statement prepare time: 5.132 ms elapsed time, 4.415 ms CPU time  
Statement execute time: 47.32 ms elapsed time, 43.86 ms CPU time  
Peak memory consumed: 6.293 MB



## Query ketiga :

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays the 'Filter Databases' tree with 'SYSDI\_SOURCE' selected. The main pane shows the 'SQL Console' with a query: `SELECT * FROM SYSDI_SOURCE`. The 'Result' tab displays 49 rows of data. The table has columns 'AGENCYNUM' and 'NUMBOOKINGS'.

AGENCYNUM	NUMBOOKINGS
00000284	27870
00000122	27869
00000109	27867
00000101	27866
00000118	27416
00000087	25936
00000061	25935
00000113	24459
00000093	24458

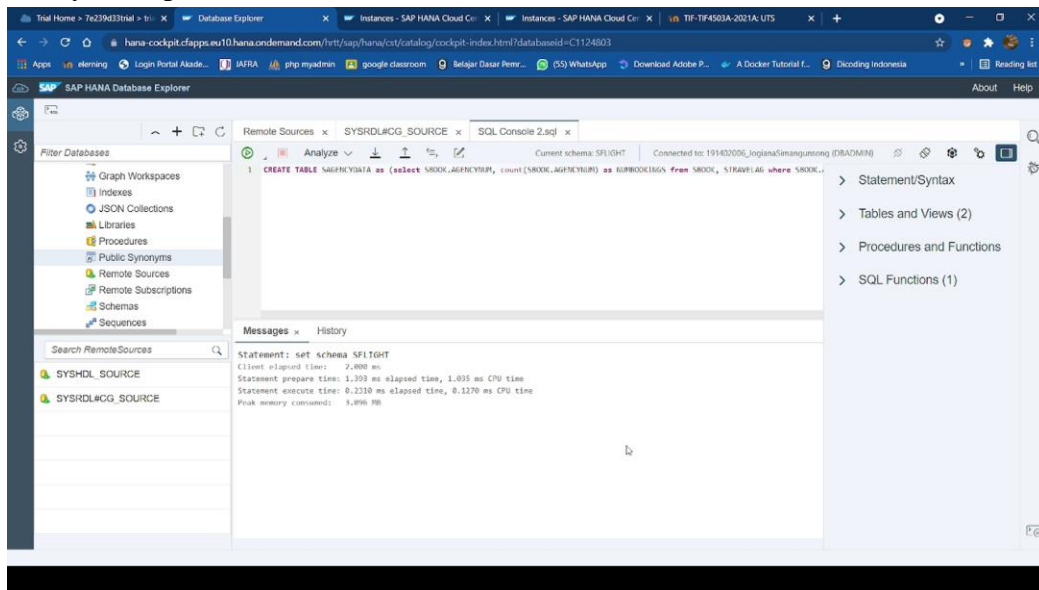
## Lihat table

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays the 'Filter Databases' tree with 'SYSDI\_SOURCE' selected. The main pane shows the 'SQL Console' with a query: `SELECT TOP 5 SYSDI_SOURCE.AGENCYNUM, SYSDI_SOURCE.NAME, SYSDI_SOURCE.NUMBOOKINGS FROM SYSDI_SOURCE INNER JOIN SYSDI_SOURCE ON SYSDI_SOURCE.AGENCYNUM = SYSDI_SOURCE.AGENCYNUM`. The 'Result' tab displays 5 rows of data. The table has columns 'AGENCYNUM', 'NAME', and 'NUMBOOKINGS'.

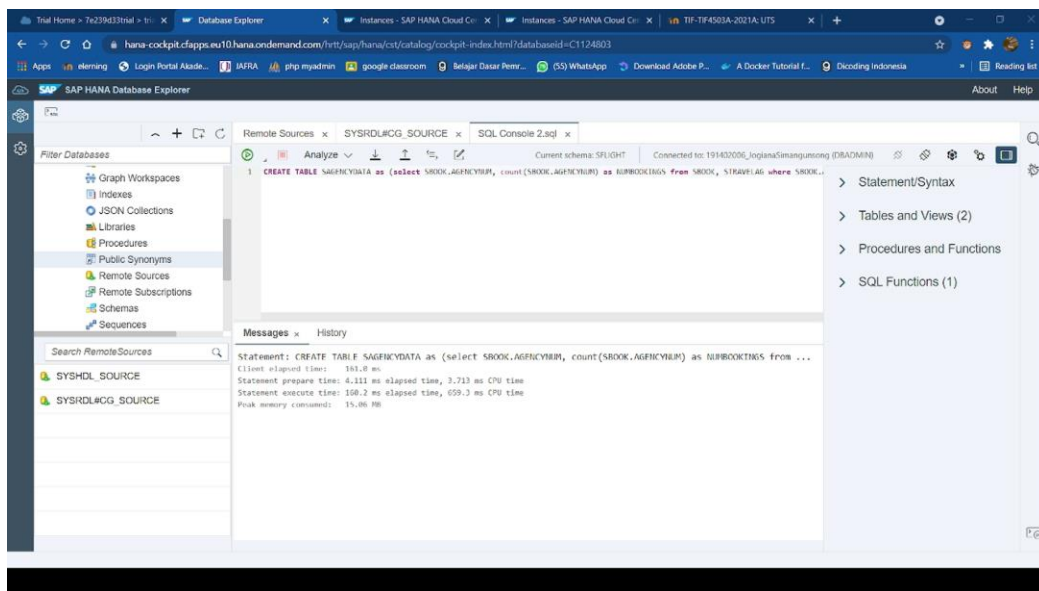
AGENCYNUM	NAME	NUMBOOKINGS
00000284	Rainy, Stormy, Cloudy	27870
00000122	Fly Low	27869
00000109	Kangeroos	27867
00000101	Bella Italia	27866
00000118	Asia By Plane	27416



## Query keempat :



## Lihat table



## Query kelima :

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays a tree view of the database structure, including 'Filter Databases', 'Graph Workspaces', 'Indexes', 'JSON Collections', 'Libraries', 'Procedures', 'Public Synonyms', 'Remote Sources', 'Remote Subscriptions', 'Schemas', and 'Sequences'. The main area is divided into two panes. The top pane shows a SQL query in the 'SQL Console 2.sql' file:

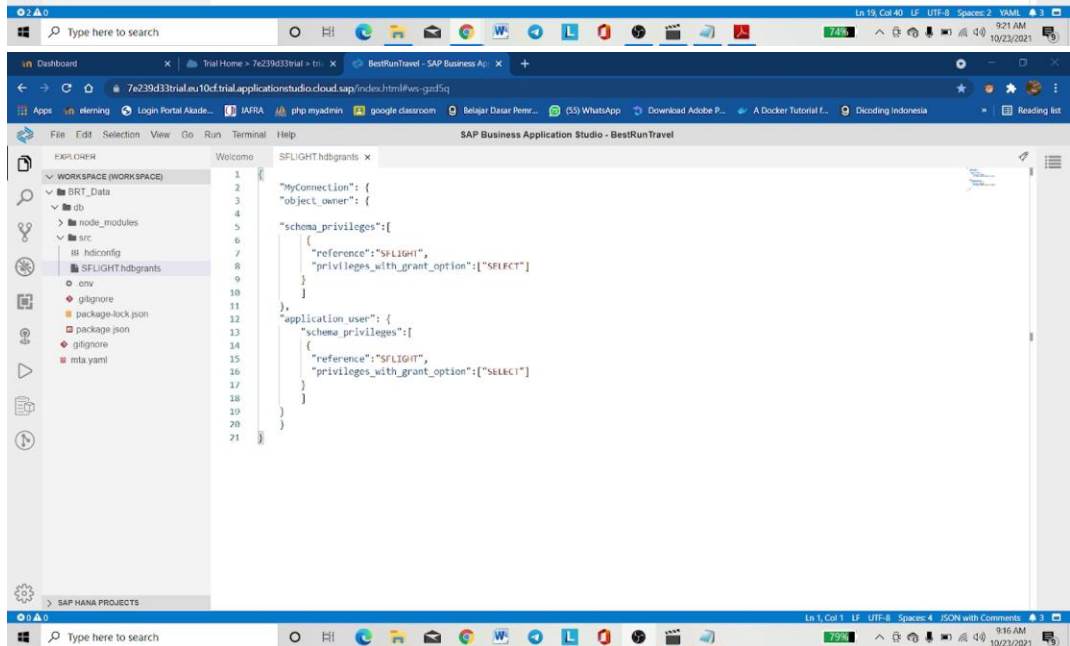
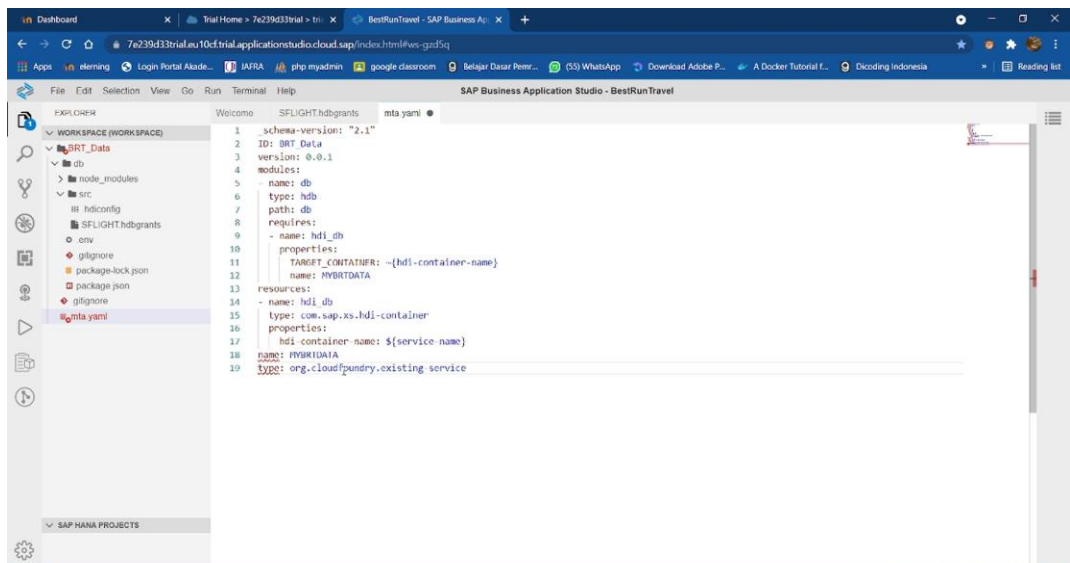
```
1 SELECT SAGROKODAYS.BGFWYTOP, S10PAPOLICY.NAME, SAGROKODAYS.ORDERDAY, SAGROKODAYS.DAYCOUNT FROM SAGROKODAYS INNER JOIN S10PAPOLICY
```

The bottom pane displays the 'Result' of the query, showing 5 rows of data. The columns are AGENCYNUM, NAME, ORDERDAY, and DAYCOUNT.

Row	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

## C. Module 6

The screenshot shows the SAP Business Application Studio interface. The left sidebar displays a tree view of the workspace structure, including 'WORKSPACE (WORKSPACE)', 'BRT\_Data', 'db', 'node\_modules', 'src', 'hdbconfig', 'SFLIGHT.hdbgrants', 'env', 'gltignore', 'package-lock.json', 'package.json', 'gltignore', and 'mta.yaml'. The main area displays the 'SAP Business Application Studio' logo and the 'Featuring SAP HANA Native Application' section. Below this, there are four buttons: 'Start from template', 'Clone from Git', 'Import', and 'Files & Folders'. The bottom status bar shows the task 'Deploy module at /home/user/projects/BRT\_Data/db' and a message 'The MYBRTDATA service has been bound.'



SAP HANA Cloud Central

All Instances

Organization: \* 7e239d33trial Space: \* dev Status: Alert:

Type: Data Lake x 1 More

Restore Adapt Filters (1)

Status	Name	Type	Notifications	Memory	Storage	Compute
Tugas 2						
<input checked="" type="checkbox"/> RUNNING	191402006_jo glanaSimangun song	SAP HANA Database	1	30 GB	120 GB	2 vCPUs

[Edit](#)  
[Copy SQL Endpoint](#)  
[Copy Instance ID](#)  
[Copy Configuration](#)  
[Stop](#)  
[Upgrade](#)  
[Delete](#)  
[Open in SAP HANA Cockpit](#)  
[Open in SAP HANA Database Explorer](#)  
[Open SQL Console](#)

SAP Business Application Studio - BestRunTravel

Project From Template

New Project From Template

Select Template and Target Location

Add Basic Information

Set Basic Properties

Set Database Information

Bind to HDI Container Service

Enter e-mail address  
jogianasimangunsong@gmail.com

Enter Password  
\*\*\*\*\*

Choose Cloud Foundry Org \*  
7e239d33trial

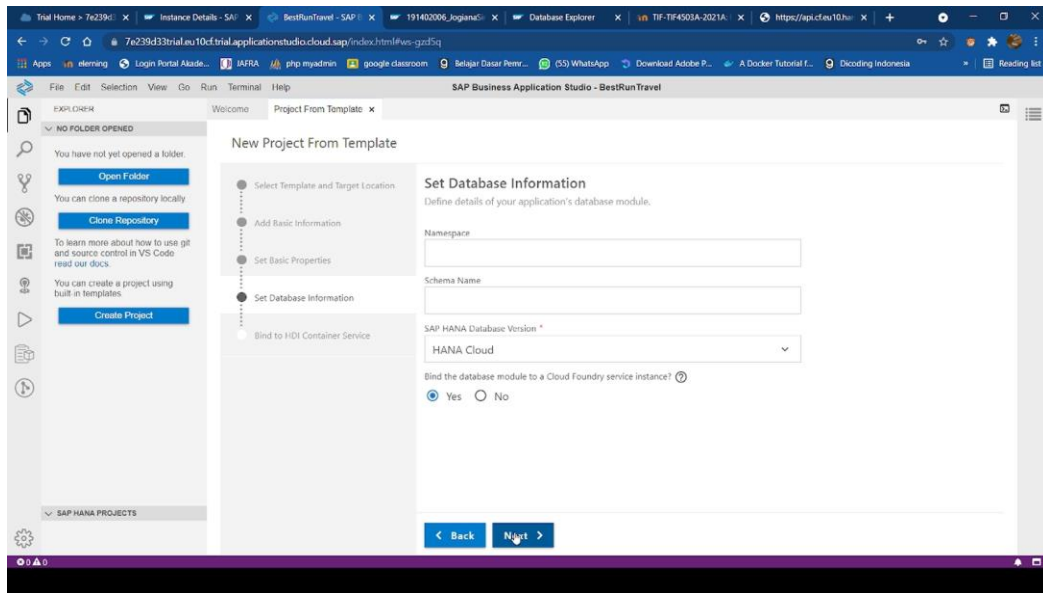
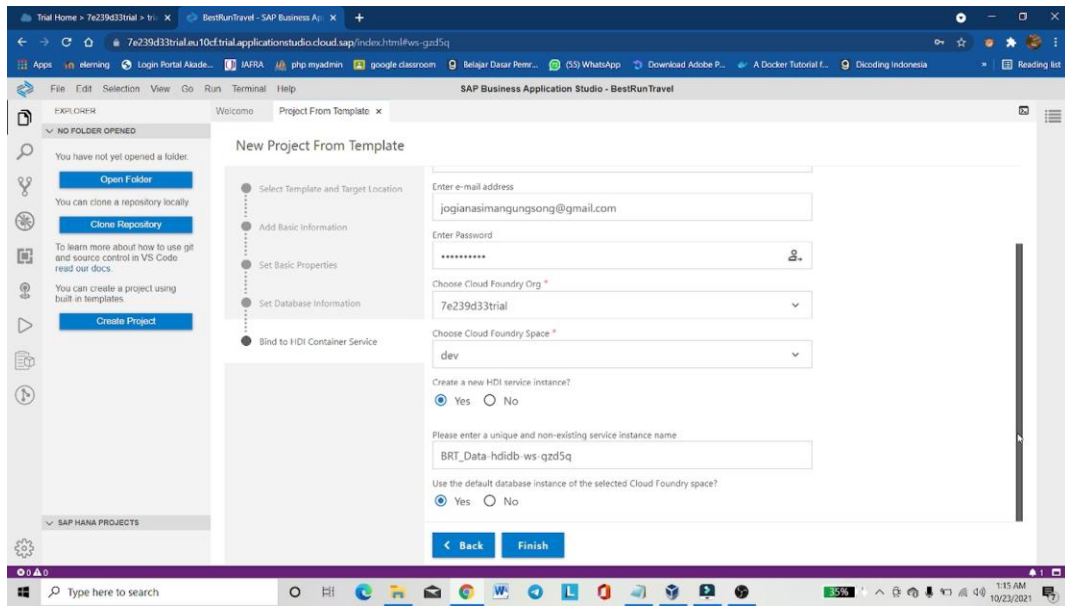
Choose Cloud Foundry Space \*  
dev

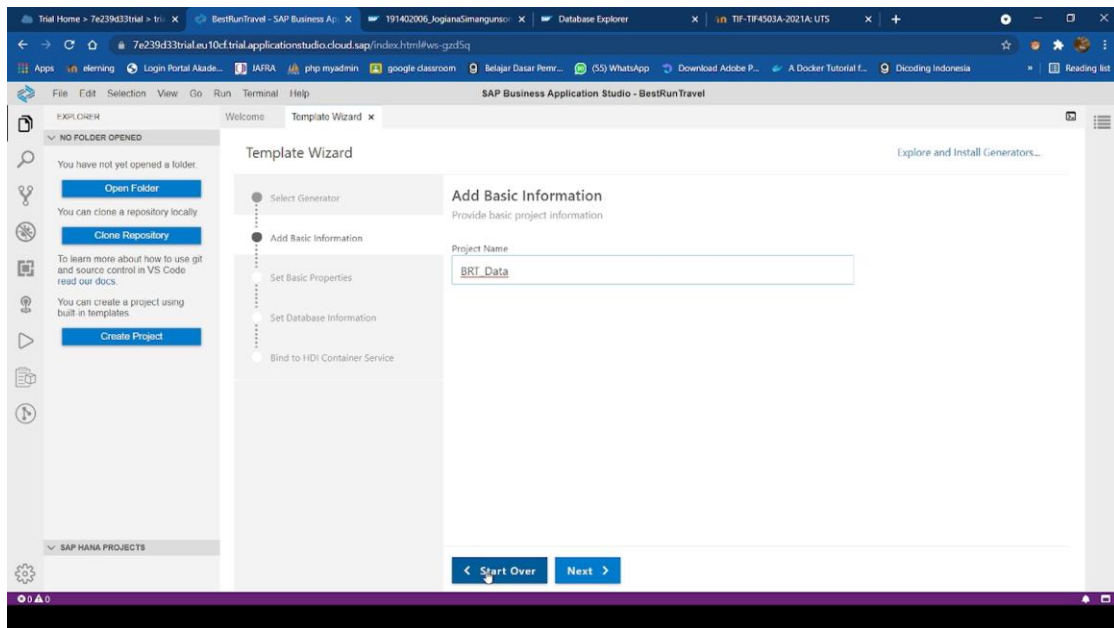
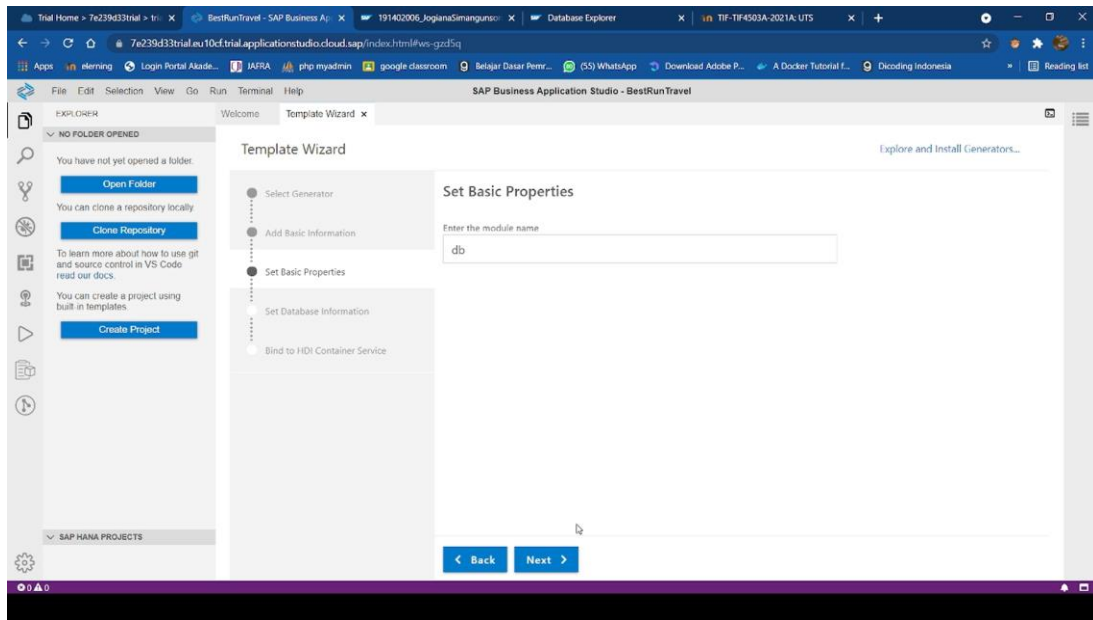
Create a new HDI service instance?  
☒ Yes ☐ No

Please enter a unique and non-existing service instance name  
BRT\_DataContainer

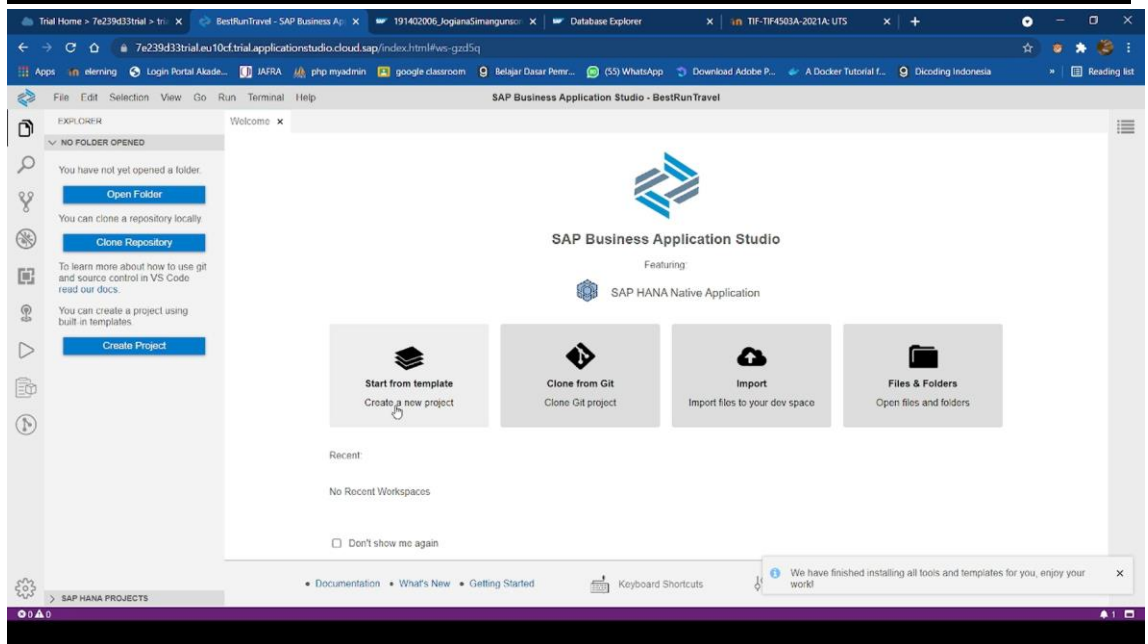
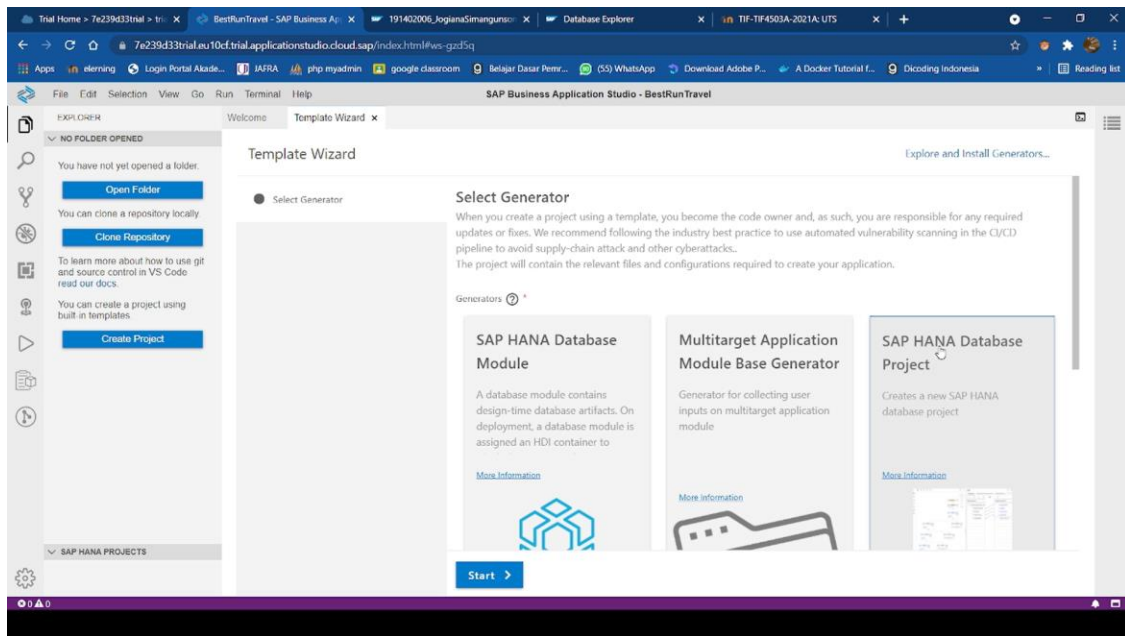
Use the default database instance of the selected Cloud Foundry space?  
☒ Yes ☐ No

[Back](#) [Finish](#)











Trial Home > 7e239d33trial > tr...

Dev Space Manager - SAP Busin...

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Database Explorer

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## Dev Spaces

Create and manage your development environment according to the type of applications you want to develop. You can add extensions and tools to further enhance your development options.

[Create Dev Space](#)

 You're using a trial version. Any dev space that hasn't been running for 30 days will be deleted. See the full list of [restrictions](#).

 <b>BestRunTravel</b> SAP HANA Native Application	<b>RUNNING</b>	Created On 22/10/2021 21.06	ID ws-gzdsq	Disk Usage 16 MB / 3.9 GB				
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Trial Home > 7e239d33trial > tr...

Dev Space Manager - SAP Busin...

191402006\_JogianaSimanguns...

Database Explorer

TIF-TIF4503A-2021A: UTS

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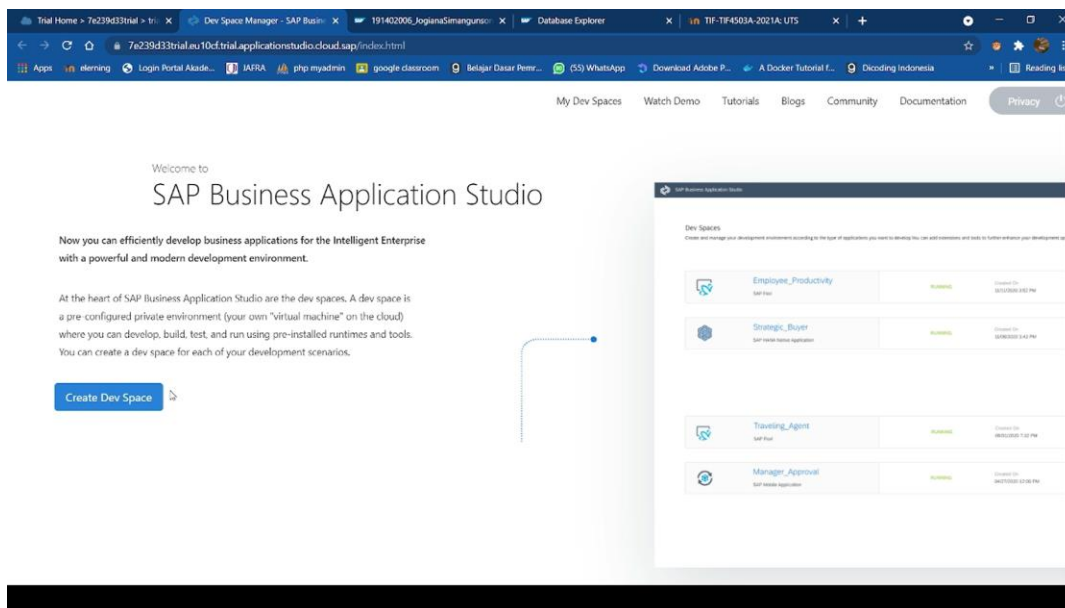
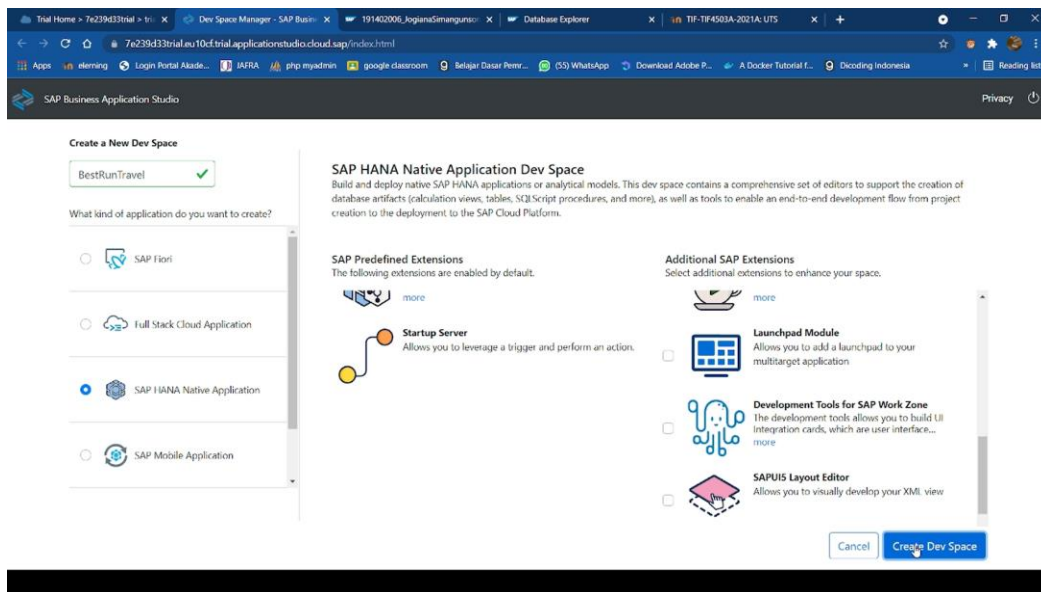
## Dev Spaces

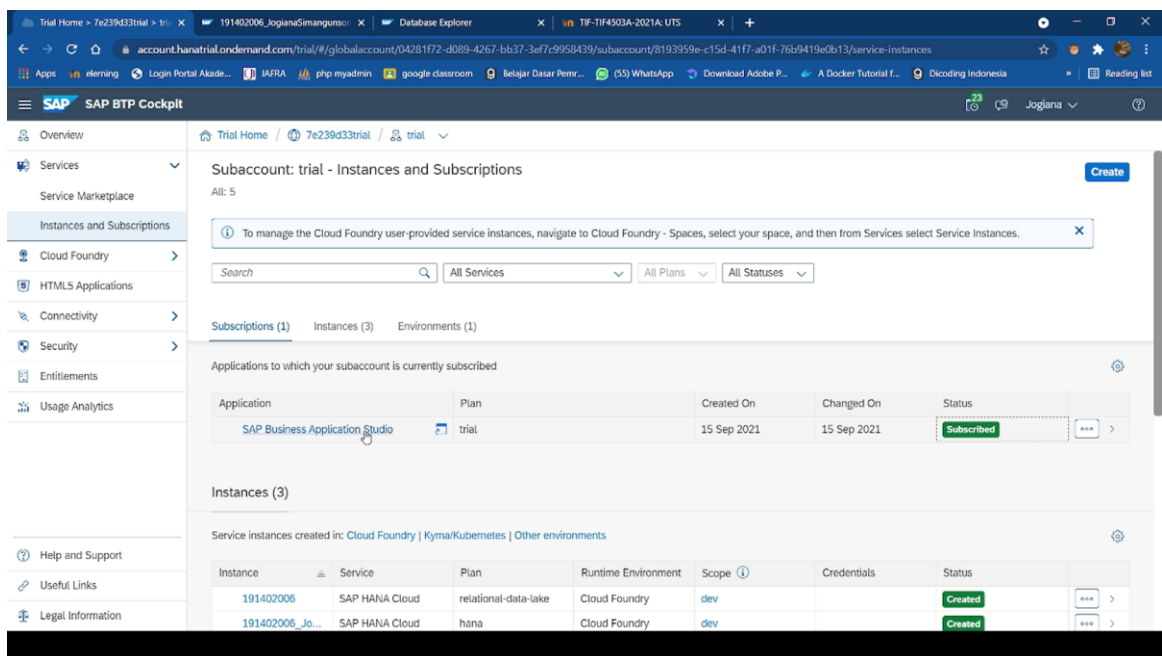
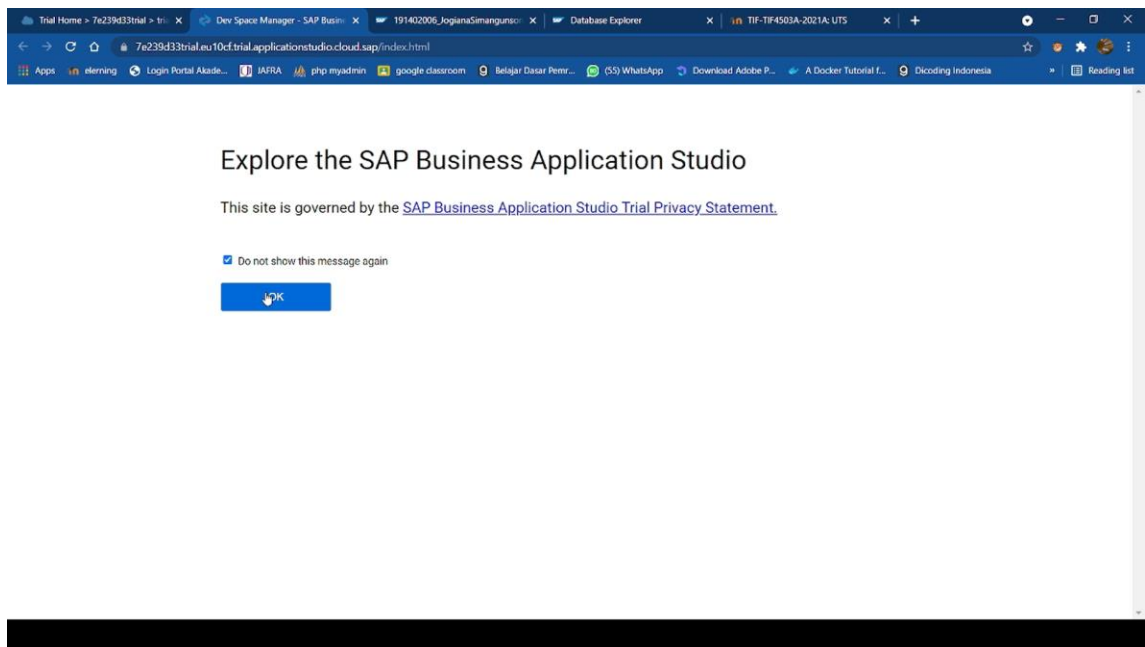
Create and manage your development environment according to the type of applications you want to develop. You can add extensions and tools to further enhance your development options.

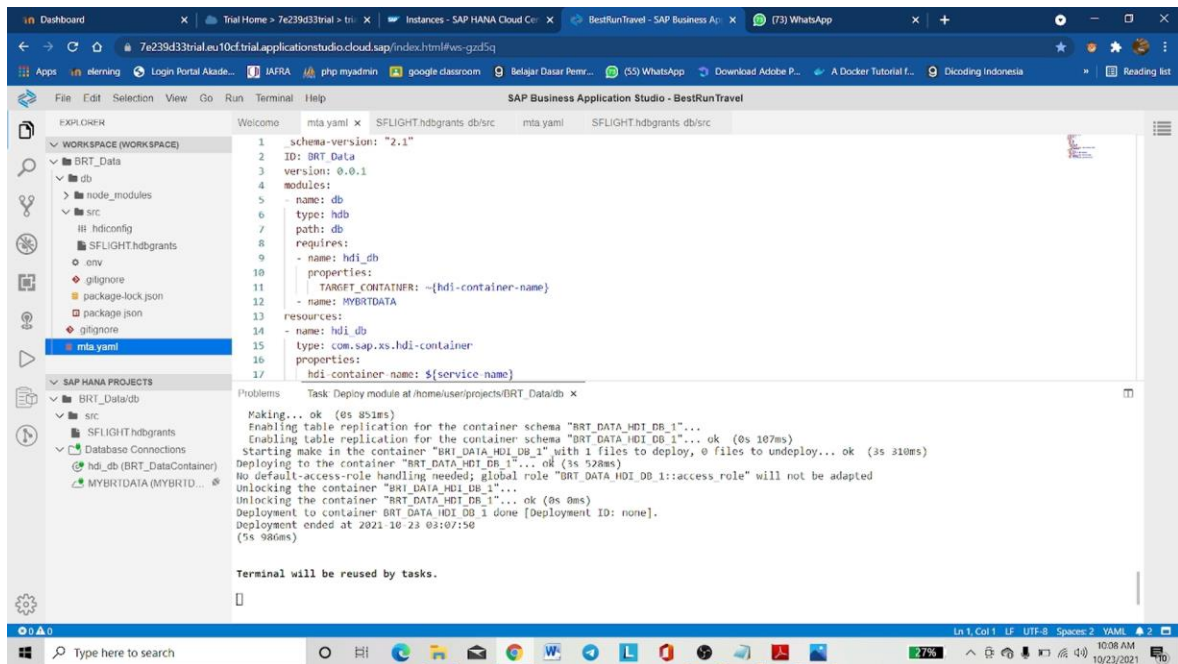
[Create Dev Space](#)

 You're using a trial version. Any dev space that hasn't been running for 30 days will be deleted. See the full list of [restrictions](#).

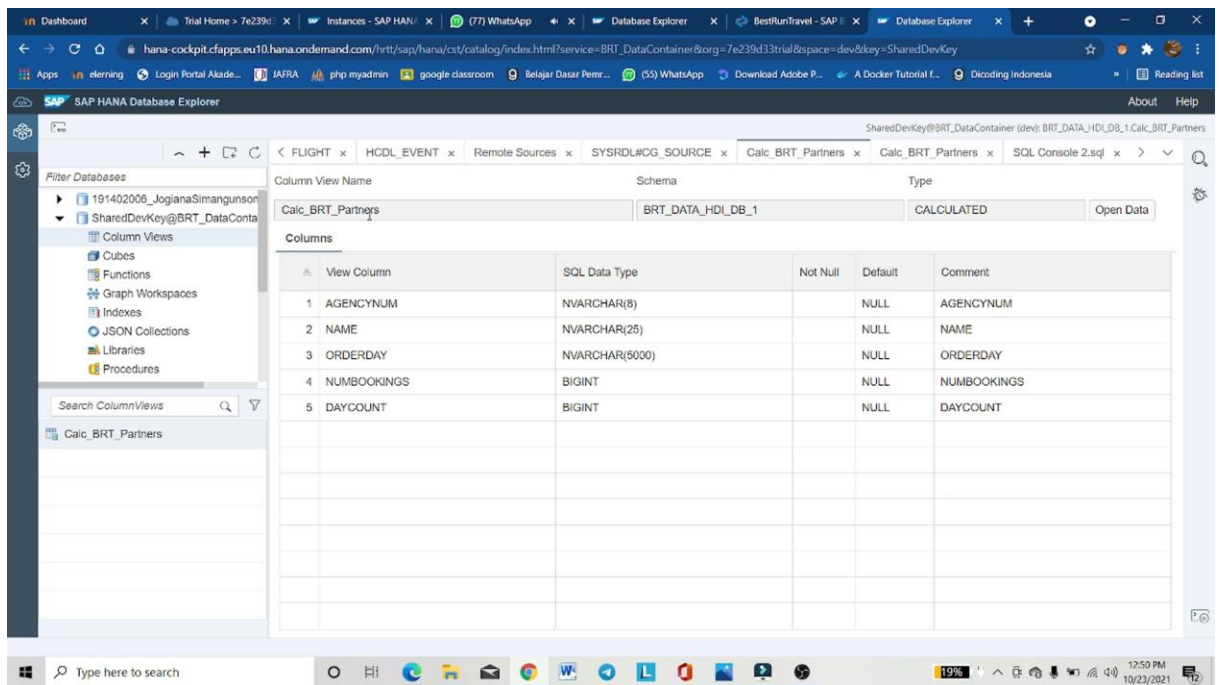
 <b>BestRunTravel</b> SAP HANA Native Application	<b>STARTING</b>	Created On 22/10/2021 21.06	ID ws-gzdsq	Disk Usage 16 MB / 3.9 GB				
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## D. Module 7



SAP Business Application Studio - BestRunTravel

Join\_2

Join Definition Mapping Calculated Columns (0) Parameters (0) Columns (3)

Rank\_1

com.sap:SAGBOOKDAYS

AGENCYNUM

NUMBOOKINGS

NAME

ORDERDAY

DAYCOUNT

PROPERTIES

Name: Join\_2

Ignore Multiple Outputs For Filter

Terminal will be reused by tasks.

SAP Business Application Studio - BestRunTravel

Aggregation

Mapping Calculated Columns (0) Restricted Columns (0) Parameters (0) Columns (3)

Data Sources

Rank\_1

AGENCYNUM

NUMBOOKINGS

NAME

Output Columns

AGENCYNUM

NUMBOOKINGS

NAME

PROPERTIES

Task: Deploy module at /home/user/projects/BRT\_Data/db

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 2021-10-23 05:10:126  
(2s 807ms)

Hasil :

The screenshot shows the SAP HANA Database Explorer interface. The left sidebar displays a tree view of the database structure, including 'Filter Databases', 'Column Views', 'Cubes', 'Functions', 'Graph Workspaces', 'Indexes', 'JSON Collections', 'Libraries', and 'Procedures'. The main area shows a table view of data. The table has the following columns: AGENCYNUM, NAME, ORDERDAY, NUMBOOKINGS, and DAYCOUNT. The data is as follows:

AGENCYNUM	NAME	ORDERDAY	NUMBOOKINGS	DAYCOUNT
00000122	Fly Low	THURSDAY	27869	4037
00000116	Asia By Plane	TUESDAY	27416	4004
00000101	Bella Italia	THURSDAY	27866	4038
00000284	Rainy, Stormy, Cloudy	MONDAY	27670	4108
00000109	Kangeroos	THURSDAY	27867	4095

## E. Module 8

The screenshot shows the SAP HANA Database Explorer interface with the SQL Console open. The console displays the following SQL statement:

```
1 grant BRT_DATA_HDI_1."PublicAccessSchema" to report;
```

The console also shows the execution results and messages:

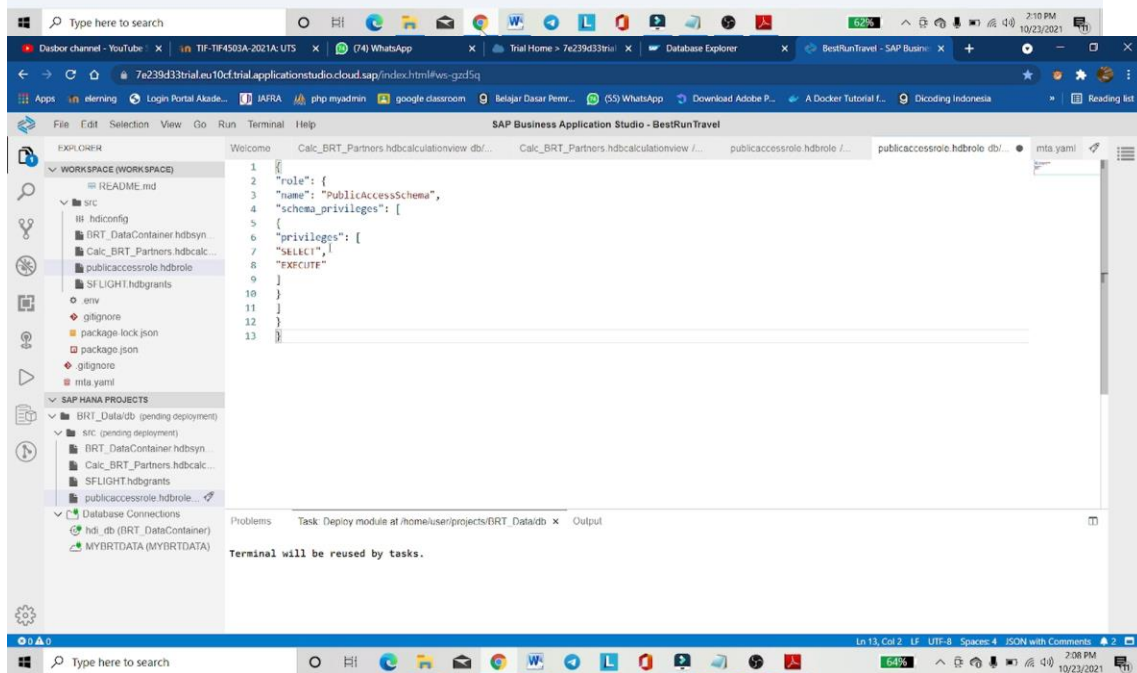
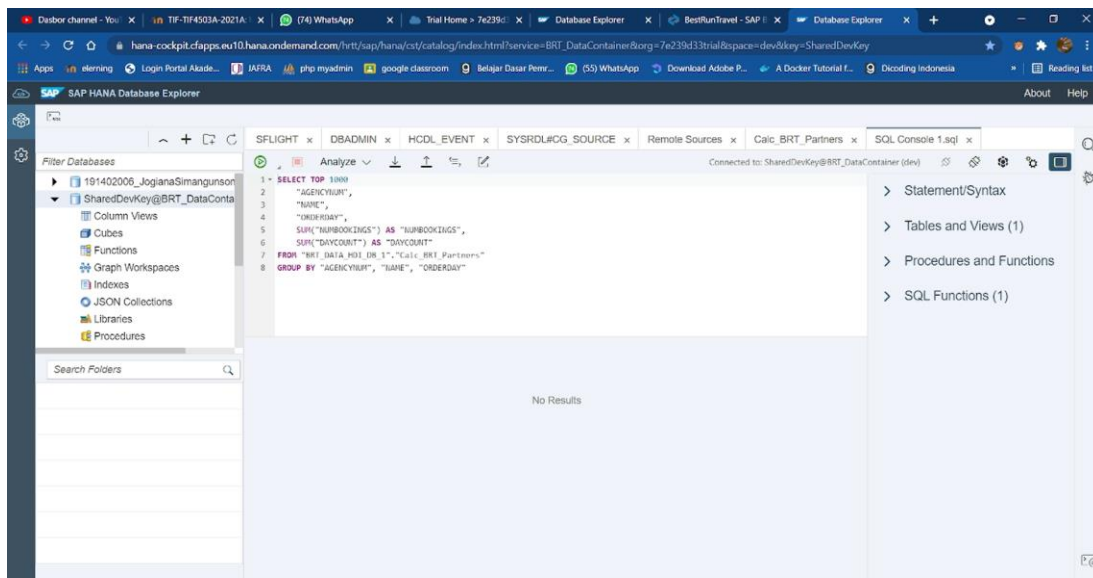
```
Statement: grant BRT_DATA_HDI_1."PublicAccessSchema" to report
Client elapsed time: 4.880 ms
Statement prepare time: 1.943 ms elapsed time, 1.398 ms CPU time
Statement execute time: 2.260 ms elapsed time, 0.2920 ms CPU time
Peak memory consumed: 5.89% MB
```

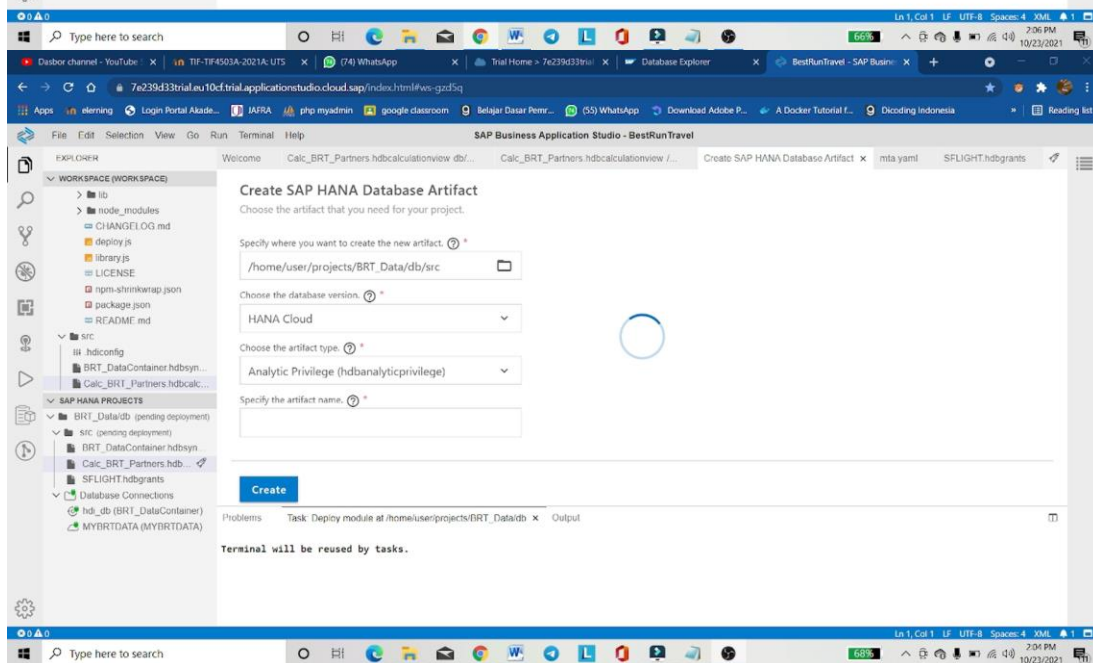
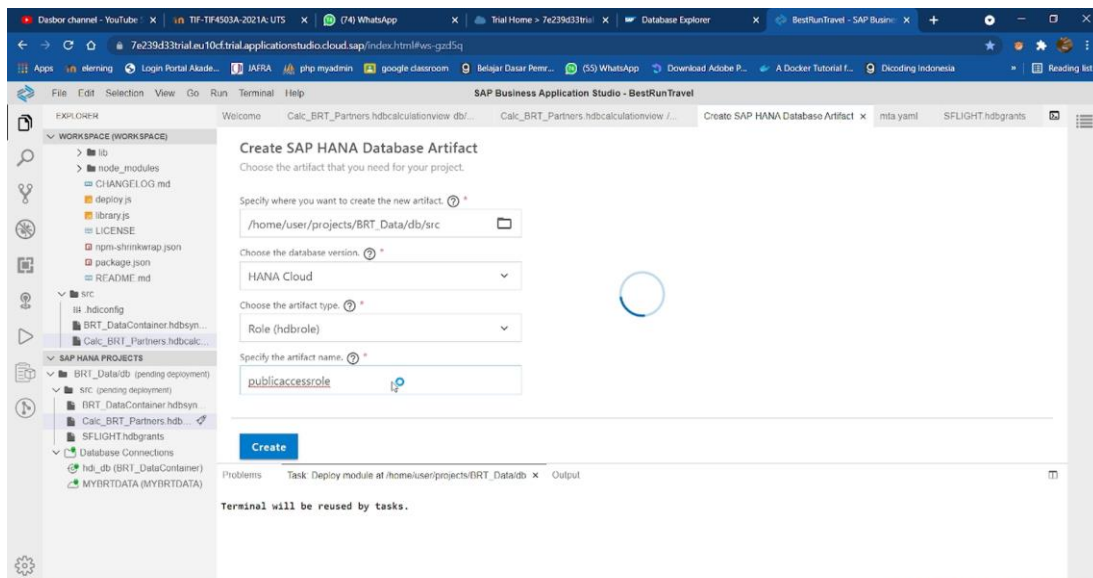


SAP HANA Database Explorer interface showing a SQL console session. The left sidebar displays the database catalog structure, including Catalog, Adapters, Agent Groups, Agents, Column Views, Cubes, Data Lake Containers, Functions, and Graph Workspaces. The main console area shows the execution of a SQL statement: `grant BRT_DATA_HDI_DB_1."PublicAccessSchema" to report`. The Messages pane displays the execution details: Statement: grant BRT\_DATA\_HDI\_DB\_1."PublicAccessSchema" to report, Client elapsed time: 5.000 ms, Statement prepare time: 2.718 ms elapsed time, 2.572 ms CPU time, Statement execute time: 2.077 ms elapsed time, 0.7128 ms CPU time, Peak memory consumed: 1.096 MB. The right sidebar lists navigation options: Statement/Syntax, Tables and Views, Procedures and Functions, and SQL Functions.

SAP HANA Database Explorer interface showing a SQL console session. The left sidebar displays the database catalog structure, including Catalog, Adapters, Agent Groups, Agents, Column Views, Cubes, Data Lake Containers, Functions, and Graph Workspaces. The main console area shows the execution of a SQL statement: `create user report password 28Jun12001 NO FORCE_FIRST_PASSWORD_CHANGE set usergroup default;`. The Messages pane displays the execution details: Statement: create user report password 28Jun12001 NO FORCE\_FIRST\_PASSWORD\_CHANGE set usergroup default, Client elapsed time: 40.00 ms, Statement prepare time: 1.760 ms elapsed time, 1.162 ms CPU time, Statement execute time: 38.54 ms elapsed time, 34.47 ms CPU time, Peak memory consumed: 5.181 MB. The right sidebar lists navigation options: Statement/Syntax, Tables and Views, Procedures and Functions, and SQL Functions.







SAP HANA Database Explorer interface showing a SQL query in the SQL Console. The query is:

```
1 SELECT TOP 1000
2   "AGENCYNUM",
3   "NAME",
4   "ORDERDAY",
5   SUM("NUMBOOKINGS") AS "NUMBOOKINGS",
6   SUM("DAYCOUNT") AS "DAYCOUNT"
7 FROM "BRT_DATA_H01_DM_1"."Calc_BRT_Partners"
8 GROUP BY "AGENCYNUM", "NAME", "ORDERDAY"
```

The result pane shows "No Results". The left sidebar displays the database structure, including "Filter Databases", "Column Views", "Cubes", "Functions", "Graph Workspaces", "Indexes", "JSON Collections", "Libraries", and "Procedures".

SAP HANA Database Explorer interface showing the same SQL query in the SQL Console. The query is:

```
1 SELECT TOP 1000
2   "AGENCYNUM",
3   "NAME",
4   "ORDERDAY",
5   SUM("NUMBOOKINGS") AS "NUMBOOKINGS",
6   SUM("DAYCOUNT") AS "DAYCOUNT"
7 FROM "BRT_DATA_H01_DM_1"."Calc_BRT_Partners"
8 GROUP BY "AGENCYNUM", "NAME", "ORDERDAY"
```

The result pane displays the following data:

AGENCYNUM	NAME	ORDERDAY	NUMBOOKINGS	DAYCOUNT
00000122	Fly Low	THURSDAY	27869	4037
00000118	Asia By Plane	TUESDAY	27416	4004
00000101	Bella Italia	THURSDAY	27866	4038
00000284	Rainy, Stormy, Cloudy	MONDAY	27870	4108
00000109	Kangeroos	THURSDAY	27867	4095

The left sidebar displays the database structure, including "Filter Databases", "Graph Workspaces", "Indexes", "JSON Collections", "Libraries", "Procedures", "Public Synonyms", "Remote Sources", "Remote Subscriptions", "Schemas", and "Sequences".