



hadoop@0e8a607bbfab: ~/air



hadoop@0e8a607bbfab: ~/scr



hadoop@0e8a607bbfab: /



```
hive> CREATE DATABASE IF NOT EXISTS northwind_analytics;
```

```
OK
```

```
Time taken: 0.233 seconds
```

```
hive> SHOW DATABASES;
```

```
OK
```

```
default
```

```
northwind_analytics
```

```
tripdata
```

```
tripdata_andres_leal_db
```

```
Time taken: 0.027 seconds, Fetched: 4 row(s)
```

```
hive> |
```

DBeaver 23.2.5 - <northwind> Script

FileEditNavigateSearchSQL EditorDatabaseWindowHelp

SQLCommitRollbackAutonorthwindpublic@northwind

Database NavigatorProjects

Enter a part of object name here

> 172.17.0.2 - 172.17.0.2:9000

> northwind - localhost:5432

> Databases

> northwind

> Schemas

> public

> Tables

> Foreign Tables

> Views

> clientes_vw

> envios_vw

> Materialized Views

> Indexes

> Functions

> Sequences

> Data types

> Aggregate functions

> Event Triggers

> Extensions

> Storage

> System Info

> Roles

> Administer

> System Info

*<northwind> Script

```
CREATE OR REPLACE VIEW clientes_vw
AS
SELECT O.CUSTOMER_ID, C.COMPANY_NAME, SUM(OD.QUANTITY) AS PRODUCTOS_VENDIDOS
FROM ORDERS O
INNER JOIN ORDER_DETAILS OD
ON O.ORDER_ID = OD.ORDER_ID
LEFT JOIN CUSTOMERS C
ON O.CUSTOMER_ID = C.CUSTOMER_ID
GROUP BY O.CUSTOMER_ID, C.COMPANY_NAME
ORDER BY 3 DESC;

CREATE OR REPLACE VIEW envios_vw
AS
SELECT O.ORDER_ID, cast(O.SHIPPED_DATE AS TEXT), C.COMPANY_NAME, C.phone
FROM ORDERS O
LEFT JOIN CUSTOMERS C
ON O.CUSTOMER_ID = C.CUSTOMER_ID;
```

Statistics 1

| Name | Value |
|-------------------|-------------------------|
| Queries | 2 |
| Updated Rows | 0 |
| Execute time (ms) | 7 |
| Fetch time (ms) | 0 |
| Total time (ms) | 7 |
| Start time | 2023-12-26 17:11:51.031 |
| Finish time | 2023-12-26 17:11:51.044 |

Project - General

NameDataSource

> Bookmarks

> Diagrams

> Scripts

Value

Select a cell to view/edit value
Press F7 to hide this panel

```
hive> SHOW DATABASES;
OK
default
northwind_analytics
tripdata
tripdata_andres_leal_db
Time taken: 0.469 seconds, Fetched: 4 row(s)
hive> USE northwind_analytics;
OK
Time taken: 0.032 seconds
hive> SHOW TABLES;
OK
Time taken: 0.035 seconds
hive> CREATE EXTERNAL TABLE IF NOT EXISTS northwind_analytics.products_sent(ORDER_ID INT, SHIPPED_DATE TIMESTAMP, COMPANY_NAME STRING, phone STRING, UNIT_PRICE_DISCOUNT DOUBLE, QUANTITY DOUBLE, TOTAL_PRICE DOUBLE)
    > COMMENT 'products_sent ONLY LISTS ORDERS THAT HAD A DISCOUNT'
    > ROW FORMAT DELIMITED
    > FIELDS TERMINATED BY ',';
OK
Time taken: 1.005 seconds
hive> CREATE EXTERNAL TABLE IF NOT EXISTS northwind_analytics.products_sold(CUSTOMER_ID STRING, COMPANY_NAME STRING, PRODUCTOS_VENDIDOS INT)
    > COMMENT 'products_sold CONTAINS THE LIST OF CLIENTS WITH A NUM OF PRODUCTS SOLD ABOVE THE AVG'
    > ROW FORMAT DELIMITED
    > FIELDS TERMINATED BY ',';
OK
Time taken: 0.085 seconds
hive> SHOW TABLES;
OK
products_sent
products_sold
Time taken: 0.036 seconds, Fetched: 2 row(s)
hive> |
```

```
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 72K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 transformation.py
-rwxrwxrwx 1 hadoop hadoop 1.3K Dec 25 15:51 transformation_andresleal.py
```

```
hadoop@0e8a607bbfab:~/scripts$ nano ingest_order_details.sh
```

```
hadoop@0e8a607bbfab:~/scripts$ nano ingest_clientes.sh
```

```
hadoop@0e8a607bbfab:~/scripts$ nano ingest_envios.sh
```

```
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 84K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
-rw-rw-r-- 1 hadoop hadoop 217 Dec 26 01:44 ingest_clientes.sh
-rw-rw-r-- 1 hadoop hadoop 213 Dec 26 01:45 ingest_envios.sh
-rw-rw-r-- 1 hadoop hadoop 279 Dec 26 01:44 ingest_order_details.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 transformation.py
-rwxrwxrwx 1 hadoop hadoop 1.3K Dec 25 15:51 transformation_andresleal.py
```

```
hadoop@0e8a607bbfab:~/scripts$ chmod 777 ingest_order_details.sh ingest_clientes.sh ingest_envios.sh
```

```
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 84K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
-rwxrwxrwx 1 hadoop hadoop 217 Dec 26 01:44 ingest_clientes.sh
-rwxrwxrwx 1 hadoop hadoop 213 Dec 26 01:45 ingest_envios.sh
-rwxrwxrwx 1 hadoop hadoop 279 Dec 26 01:44 ingest_order_details.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
```

```
PS C:\Users\DELL> docker exec -it edvai_hadoop bash
root@0e8a607bbfab:/# su hadoop
hadoop@0e8a607bbfab:/$
hadoop@0e8a607bbfab:/$ cd home/hadoop/scripts/
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 104K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 17K Dec 26 01:48 codegen_envios_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
-rwxrwxrwx 1 hadoop hadoop 217 Dec 26 01:44 ingest_clientes.sh
-rwxrwxrwx 1 hadoop hadoop 213 Dec 26 01:45 ingest_envios.sh
-rwxrwxrwx 1 hadoop hadoop 279 Dec 26 01:44 ingest_order_details.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 transformation.py
-rwxrwxrwx 1 hadoop hadoop 1.3K Dec 25 15:51 transformation_andresleal.py
hadoop@0e8a607bbfab:~/scripts$ nano transform_load_clientes.py
hadoop@0e8a607bbfab:~/scripts$ nano transform_envios_order_details.py
hadoop@0e8a607bbfab:~/scripts$ cat transform_envios_order_details.py
from pyspark.context import SparkContext
from pyspark.sql.session import SparkSession

sc = SparkContext('local')
spark = SparkSession(sc)

from pyspark.sql import HiveContext
hc = HiveContext(sc)

# CARGAMOS LOS DF, Y CREAMOS VISTAS TEMPORALES EN SPARK PARA SU MANIPULACION CON SQL
envios_df = spark.read.parquet("/sqoop/ingest/envios/*.parquet")
order_details_df = spark.read.parquet("/sqoop/ingest/order_details/*.parquet")

envios_df.createOrReplaceTempView("v_envios")
order_details_df.createOrReplaceTempView("v_od")

# SQL STMT PARA REALIZAR LOS CALCULOS REQUERIDOS
select_orders = """
select
v_envios.*,
unit_price * (1-discount) as unit_price_discount,
quantity,
(unit_price * (1-discount) ) * quantity as total_price
from v_envios
left join v_od
on v_envios.order_id = v_od.order_id
where discount > 0
"""

# INSERTAMOS LA DATA PROCESADA EN LA TABLA DESEADA
hive_insert_stmt = f'insert into northwind_analytics.products_sent {select_orders};'

hc.sql(hive_insert_stmt)
hadoop@0e8a607bbfab:~/scripts$
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 112K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 17K Dec 26 01:48 codegen_envios_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
-rwxrwxrwx 1 hadoop hadoop 217 Dec 26 01:44 ingest_clientes.sh
-rwxrwxrwx 1 hadoop hadoop 213 Dec 26 01:45 ingest_envios.sh
-rwxrwxrwx 1 hadoop hadoop 279 Dec 26 01:44 ingest_order_details.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
-rw-rw-r-- 1 hadoop hadoop 984 Dec 26 15:21 transform_envios_order_details.py
-rw-rw-r-- 1 hadoop hadoop 780 Dec 26 15:20 transform_load_clientes.py
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 transformation.py
-rwxrwxrwx 1 hadoop hadoop 1.3K Dec 25 15:51 transformation_andresleal.py
hadoop@0e8a607bbfab:~/scripts$ chmod 777 transform_envios_order_details.py transform_load_clientes.py
hadoop@0e8a607bbfab:~/scripts$ ls -lh
total 112K
-rw-rw-r-- 1 hadoop hadoop 9.1K Dec 26 01:22 QueryResult.java
-rw-rw-r-- 1 hadoop hadoop 15K Dec 26 01:41 codegen_clientes_vw.java
-rw-rw-r-- 1 hadoop hadoop 17K Dec 26 01:48 codegen_envios_vw.java
-rw-rw-r-- 1 hadoop hadoop 16K Dec 26 01:38 codegen_order_details.java
-rw-rw-r-- 1 hadoop hadoop 670 Feb 28 2022 derby.log
-rwxrwxr-x 1 hadoop hadoop 258 Feb 28 2022 ingest.sh
-rwxrwxrwx 1 hadoop hadoop 2.3K Dec 25 15:17 ingest_andresleal.sh
-rwxrwxrwx 1 hadoop hadoop 217 Dec 26 01:44 ingest_clientes.sh
-rwxrwxrwx 1 hadoop hadoop 213 Dec 26 01:45 ingest_envios.sh
-rwxrwxrwx 1 hadoop hadoop 279 Dec 26 01:44 ingest_order_details.sh
drwxr-xr-x 2 hadoop hadoop 4.0K Feb 9 2022 spark-warehouse
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 start-services.sh
-rwxrwxrwx 1 hadoop hadoop 984 Dec 26 15:21 transform_envios_order_details.py
-rwxrwxrwx 1 hadoop hadoop 780 Dec 26 15:20 transform_load_clientes.py
-rwxrwxrwx 1 hadoop hadoop 1.1K May 9 2022 transformation.py
-rwxrwxrwx 1 hadoop hadoop 1.3K Dec 25 15:51 transformation_andresleal.py
hadoop@0e8a607bbfab:~/scripts$ |
```



```
PS C:\Users\DELL> docker exec -it edvai_hadoop bash
```

```
root@0e8a607bbfab:/# su hadoop
```

```
hadoop@0e8a607bbfab:/$
```

```
hadoop@0e8a607bbfab:/$ cd home/hadoop/airflow/dags/
```

```
hadoop@0e8a607bbfab:~/airflow/dags$ nano ingest_transform_ejercicio9_andresleal.py
```

```
hadoop@0e8a607bbfab:~/airflow/dags$ ls -lh
```

```
total 20K
```

```
drwxrwxr-x 1 hadoop hadoop 4.0K Dec 25 15:47 __pycache__
```

```
-rw-rw-r-- 1 hadoop hadoop 1.1K May 1 2022 example-DAG.py
```

```
-rw-rw-r-- 1 hadoop hadoop 1.0K May 5 2022 ingest-transform.py
```

```
-rw-rw-r-- 1 hadoop hadoop 1.2K Dec 25 15:47 ingest_transform_andresleal.py
```

```
-rw-rw-r-- 1 hadoop hadoop 2.3K Dec 26 15:23 ingest_transform_ejercicio9_andresleal.py
```

```
hadoop@0e8a607bbfab:~/airflow/dags$ |
```



DAG: ingest-transform-andresleal-ejercicio-9

success

Schedule: 0 0 * * *

Next Run: 2023-12-26, 00:00:00



Grid



Graph



Calendar



Task Duration



Task Tries



Landing Times



Gantt



Details



<> Code



Audit Log



2023-12-25T00:00:01Z

Runs

25

Run

scheduled__2023-12-25T00:00:00+00:00

Layout

Left > Right

Update

Find Task...

BashOperator

DummyOperator

queued

running

success

failed

up_for_retry

up_for_reschedule

upstream_failed

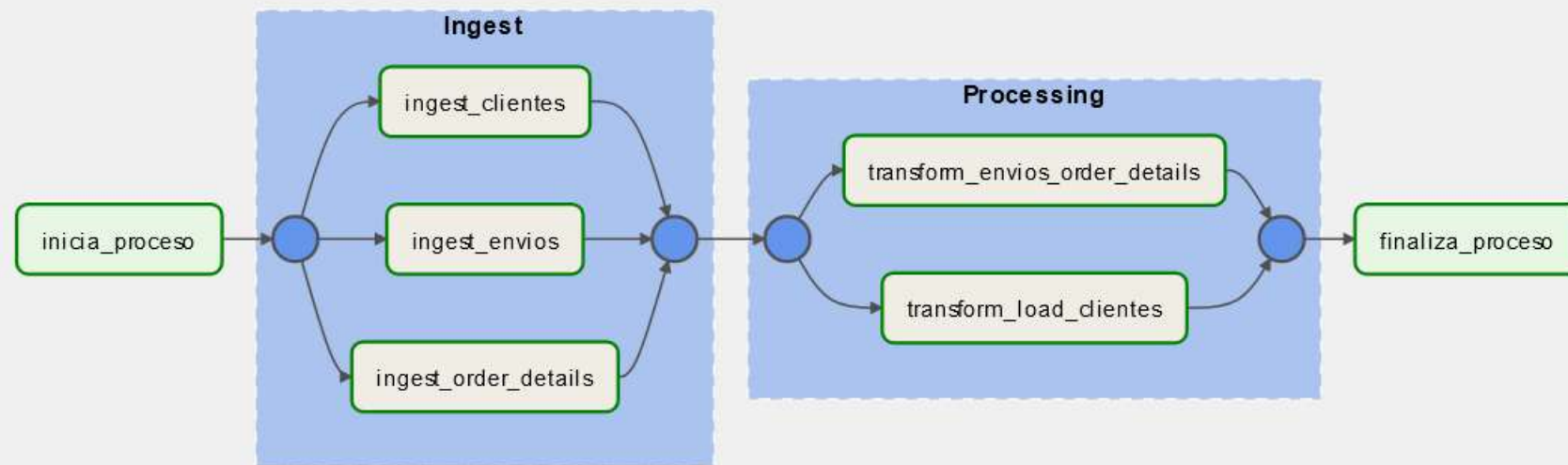
skipped

scheduled

deferred

no_status

Auto-refresh



```
hive> select * from products_sent LIMIT 5;
```

```
OK
10250  1996-07-12 00:00:00      Hanari Carnes      (21) 555-0091      36.040000915527344      35.0      1261.4000244140625
10250  1996-07-12 00:00:00      Hanari Carnes      (21) 555-0091      14.279999732971191      15.0      214.1999969482422
10251  1996-07-15 00:00:00      Victuailles en stock      78.32.54.86      15.959999084472656      6.0      95.75999450683594
10251  1996-07-15 00:00:00      Victuailles en stock      78.32.54.86      14.820000648498535      15.0      222.3000030517578
10252  1996-07-11 00:00:00      Suprêmes délices      (071) 23 67 22 20      61.560001373291016      40.0      2462.400146484375
Time taken: 0.079 seconds, Fetched: 5 row(s)
```

```
hive> select * from products_sold LIMIT 5;
```

```
OK
SAVEA  Save-a-lot Markets      4958
ERNSH  Ernst Handel      4543
QUICK  QUICK-Stop      3961
HUNGO  Hungry Owl All-Night Grocers      1684
FRANK  Frankenversand      1525
Time taken: 0.07 seconds, Fetched: 5 row(s)
```

```
hive>
```


DBeaver 23.2.5 - <tripdata_andres_leal_db> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto tripdata_andres_leal_db northwind_analytics

Database Navigator Projects

Enter a part of object name here

northwind - localhost:5432

tripdata_andres_leal_db - localhost:10000

default

northwind_analytics

Tables

products_sent

products_sold

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Data Types

tripdata

tripdata_andres_leal_db

Project - General

Name DataSource

Bookmarks

Diagrams

Scripts

<northwind> Script products_sold *<tripdata_andres_leal_db> Script-1

SELECT * FROM products_sent ps ;
SELECT * FROM products_sold ps ;

Results 1 Results 1 (2) Statistics 1

SELECT * FROM products_sent ps Enter a SQL expression to filter results (use Ctrl+Space)

| | 123 order_id | shipped_date | ABC company_name | ABC phone | 123 unit_price_discount | 123 quantity | 123 total_price |
|----|--------------|-------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| 1 | 10,250 | 1996-07-12 00:00:00.000 | Hanari Carnes | (21) 555-0091 | 36.0400009155 | 35 | 1,261.4000244141 |
| 2 | 10,250 | 1996-07-12 00:00:00.000 | Hanari Carnes | (21) 555-0091 | 14.279999733 | 15 | 214.1999969482 |
| 3 | 10,251 | 1996-07-15 00:00:00.000 | Victuailles en stock | 78.32.54.86 | 15.9599990845 | 6 | 95.7599945068 |
| 4 | 10,251 | 1996-07-15 00:00:00.000 | Victuailles en stock | 78.32.54.86 | 14.8200006485 | 15 | 222.3000030518 |
| 5 | 10,252 | 1996-07-11 00:00:00.000 | Suprêmes délices | (071) 23 67 22 | 61.5600013733 | 40 | 2,462.4001464844 |
| 6 | 10,252 | 1996-07-11 00:00:00.000 | Suprêmes délices | (071) 23 67 22 | 1.8999999762 | 25 | 47.5 |
| 7 | 10,254 | 1996-07-23 00:00:00.000 | Chop-suey Chinese | 0452-076545 | 3.0599999428 | 15 | 45.8999977112 |
| 8 | 10,254 | 1996-07-23 00:00:00.000 | Chop-suey Chinese | 0452-076545 | 16.3200016022 | 21 | 342.7200317383 |
| 9 | 10,258 | 1996-07-23 00:00:00.000 | Ernst Handel | 7675-3425 | 12.1599998474 | 50 | 608 |
| 10 | 10,258 | 1996-07-23 00:00:00.000 | Ernst Handel | 7675-3425 | 13.6000003815 | 65 | 884 |
| 11 | 10,258 | 1996-07-23 00:00:00.000 | Ernst Handel | 7675-3425 | 20.4800014496 | 6 | 122.8800048828 |
| 12 | 10,260 | 1996-07-29 00:00:00.000 | Ottillies Käseladen | 0221-0644327 | 5.7749996185 | 16 | 92.3999938965 |
| 13 | 10,260 | 1996-07-29 00:00:00.000 | Ottillies Käseladen | 0221-0644327 | 29.5500011444 | 15 | 443.2500305176 |
| 14 | 10,260 | 1996-07-29 00:00:00.000 | Ottillies Käseladen | 0221-0644327 | 9 | 21 | 189 |
| 15 | 10,262 | 1996-07-25 00:00:00.000 | Rattlesnake Canyon Groc | (505) 555-5939 | 13.6000003815 | 12 | 163.200012207 |
| 16 | 10,263 | 1996-07-31 00:00:00.000 | Ernst Handel | 7675-3425 | 10.4249992371 | 60 | 625.4999389648 |
| 17 | 10,263 | 1996-07-31 00:00:00.000 | Ernst Handel | 7675-3425 | 15.5250005722 | 60 | 931.5000610352 |
| 18 | 10,263 | 1996-07-31 00:00:00.000 | Ernst Handel | 7675-3425 | 6 | 36 | 216 |
| 19 | 10,264 | 1996-08-23 00:00:00.000 | Folk och få HB | 0695-34 67 21 | 6.5450000763 | 25 | 163.625 |
| 20 | 10,266 | 1996-07-31 00:00:00.000 | Wartian Herkku | 981-443655 | 28.8799991608 | 12 | 346.5599975586 |
| 21 | 10,267 | 1996-08-06 00:00:00.000 | Frankenversand | 089-0877310 | 37.4000015259 | 70 | 2,618 |

Refresh Save Cancel Export data 200 200+ 60 row(s) fetched - 242ms (48ms fetch), on 2023-12-26 at 22:22:07

COT en Writable Smart Insert 1 : 1 [66] Sel: 66 | 2

DBeaver 23.2.5 - <tripdata_andres_leal_db> Script-1

File Edit Navigate Search SQL Editor Database Window Help

tripdata_andres_leal_db

northwind_analytics

Auto

tripdata_andres_leal_db

northwind_analytics

Database Navigator Projects

Enter a part of object name here

northwind - localhost:5432

tripdata_andres_leal_db - localhost:10000

default

northwind_analytics

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products_sent

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tripdata

tripdata_andres_leal_db

Project - General

Name DataSource

Bookmarks

Diagrams

Scripts

<northwind> Script

products_sold

*<tripdata_andres_leal_db> Script-1

SELECT * FROM products_sent ps ;

SELECT * FROM products_sold ps ;

Results 1

Results 1 (2)

Statistics 1

SELECT * FROM products_sold ps

Enter a SQL expression to filter results (use Ctrl+Space)

Grid

Text

Record

| | customer_id | company_name | productos_vendidos |
|----|-------------|-------------------------|--------------------|
| 1 | SAVEA | Save-a-lot Markets | 4,958 |
| 2 | ERNSH | Ernst Handel | 4,543 |
| 3 | QUICK | QUICK-Stop | 3,961 |
| 4 | HUNGO | Hungry Owl All-Night Gr | 1,684 |
| 5 | FRANK | Frankenversand | 1,525 |
| 6 | RATTC | Rattlesnake Canyon Groc | 1,383 |
| 7 | FOLKO | Folk och få HB | 1,234 |
| 8 | HILAA | HILARION-Abastos | 1,096 |
| 9 | SUPRD | Suprêmes délices | 1,072 |
| 10 | WHITC | White Clover Markets | 1,063 |
| 11 | QUEEN | Queen Cozinha | 1,031 |
| 12 | BERGS | Berglunds snabbköp | 1,001 |
| 13 | BONAP | Bon app' | 980 |
| 14 | LINOD | LINO-Delicateses | 970 |
| 15 | MEREP | Mère Paillarde | 966 |
| 16 | BOTTM | Bottom-Dollar Markets | 956 |
| 17 | KOENE | Königlich Essen | 903 |
| 18 | HANAR | Hanari Carnes | 839 |
| 19 | LILAS | LILA-Supermercado | 836 |
| 20 | SEVES | Seven Seas Imports | 818 |
| 21 | RICSU | Richter Supermarkt | 810 |

Value

Select a cell to view/edit value

Press F7 to hide this panel

Refresh

Save

Cancel

Export data

200

60

60 row(s) fetched

COT

en

Writable

Smart Insert

2 : 33 : 66

Sel: 0 | 0