

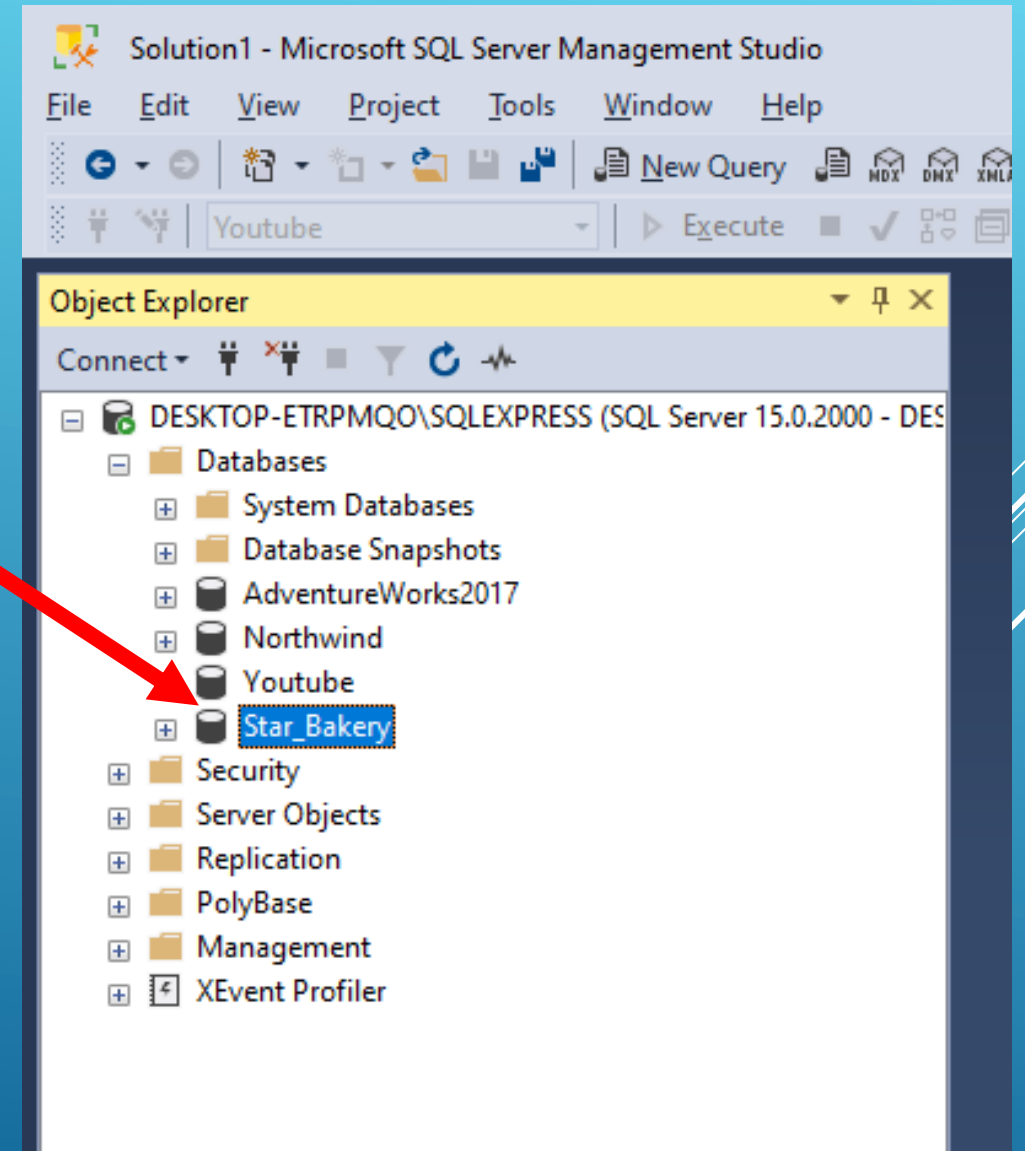
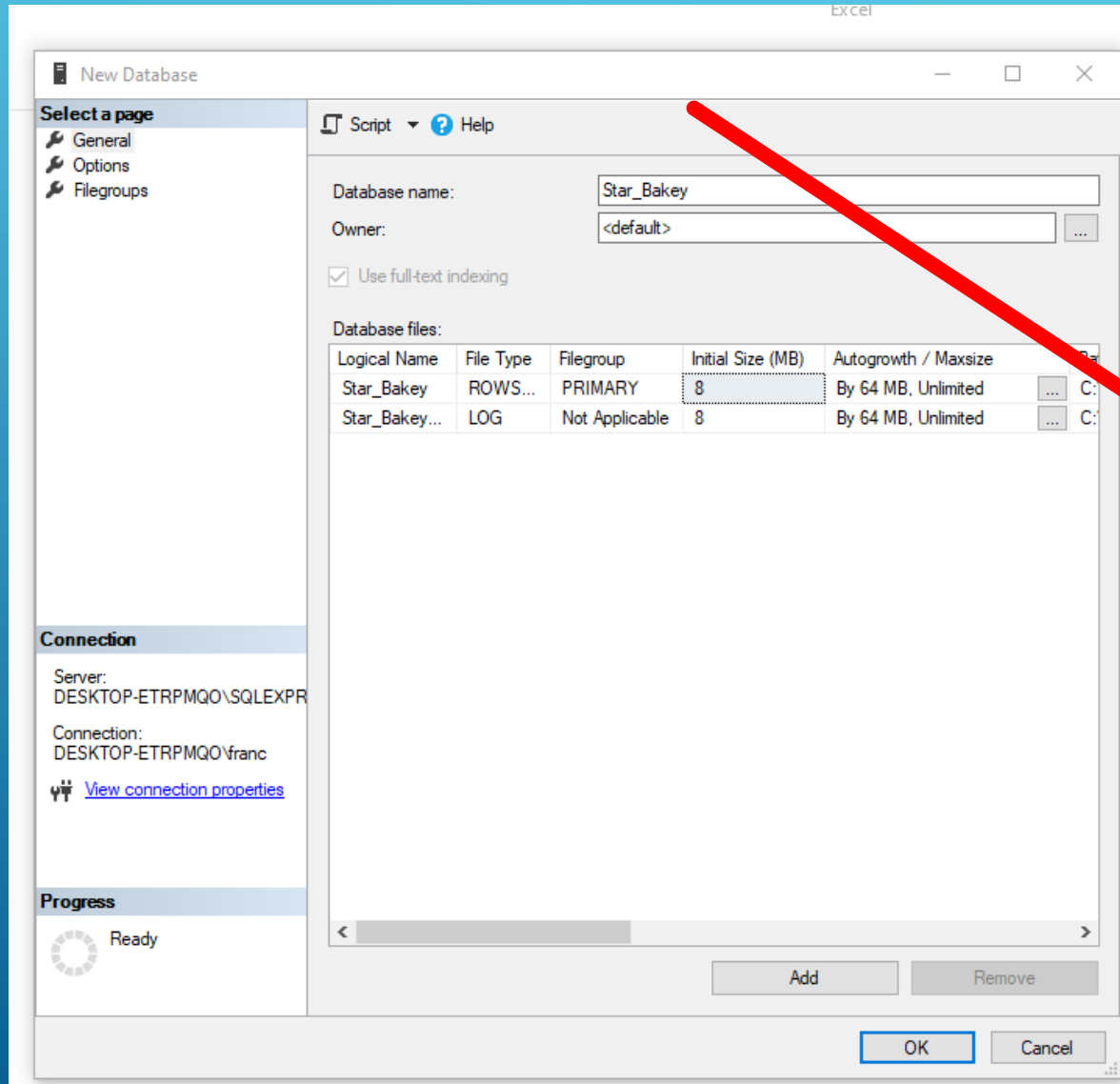


POWER BI – SIMULAÇÃO DE VENDAS EM TEMPO REAL UTILIZANDO SQL SERVER E DIRECT QUERY PROJETO PORTIFÓLIO

CRIAÇÃO DA BASE NO SQL SERVER



BASE: STAR_BAKERY



DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery - dbo.Table_1DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery - dbo.Product - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

Quick Launch (Ctrl+Q)

Object Explorer

Connect

- DESKTOP-ETRPMQO\SQLEXPRESS (SQL Server 15.0.2000 - DES)
- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2017
 - Northwind
 - Youtube
 - Star_Bakery
 - Database Diagrams
 - Tables
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 - Graph Tables
 - dbo.Product
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Management
 - XEvent Profiler

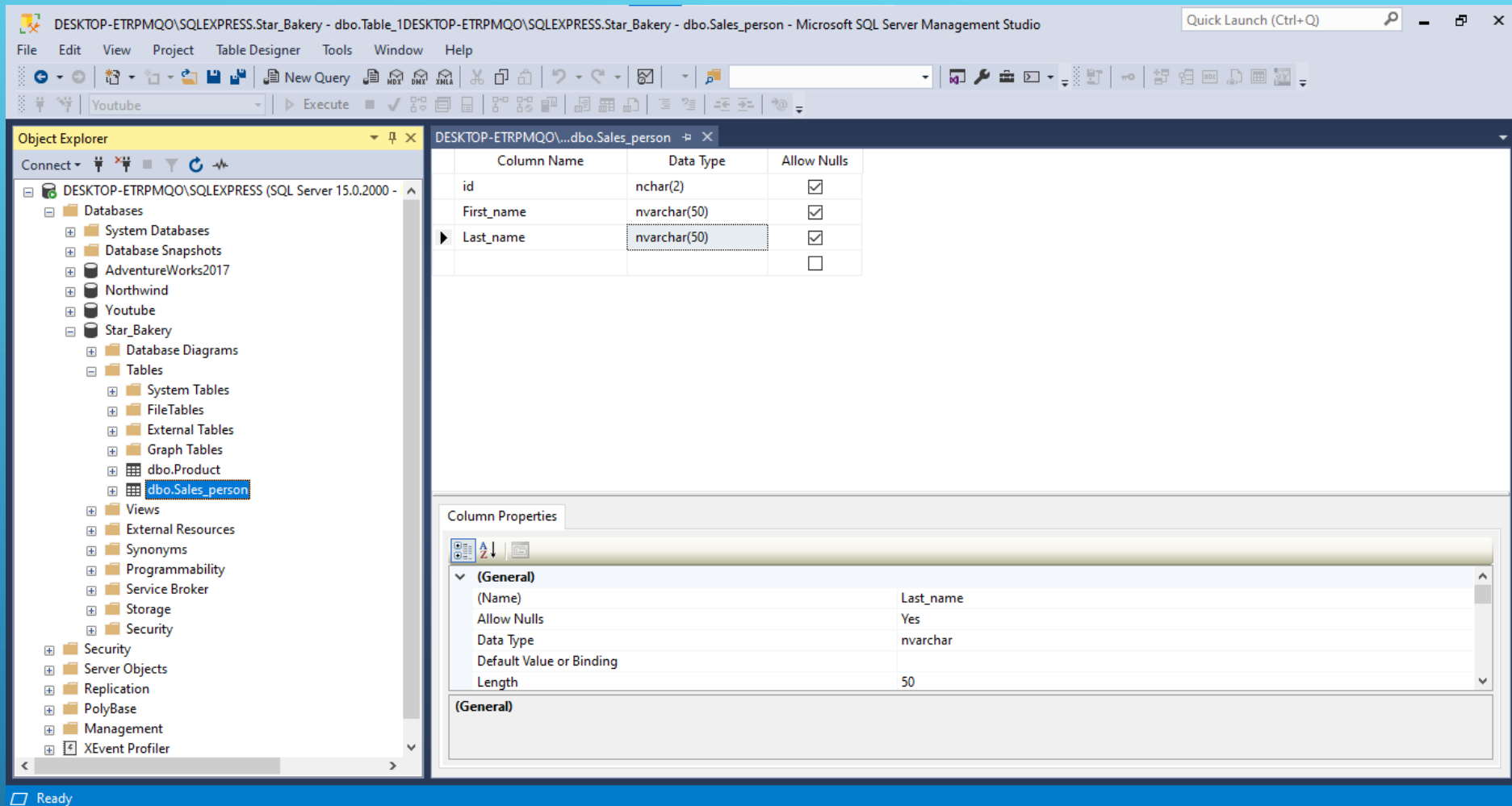
Table Designer: dbo.Product

Column Name	Data Type	Allow Nulls
ID	nchar(2)	<input checked="" type="checkbox"/>
Productt_Title	nvarchar(50)	<input checked="" type="checkbox"/>
Price_per_Unit	money	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

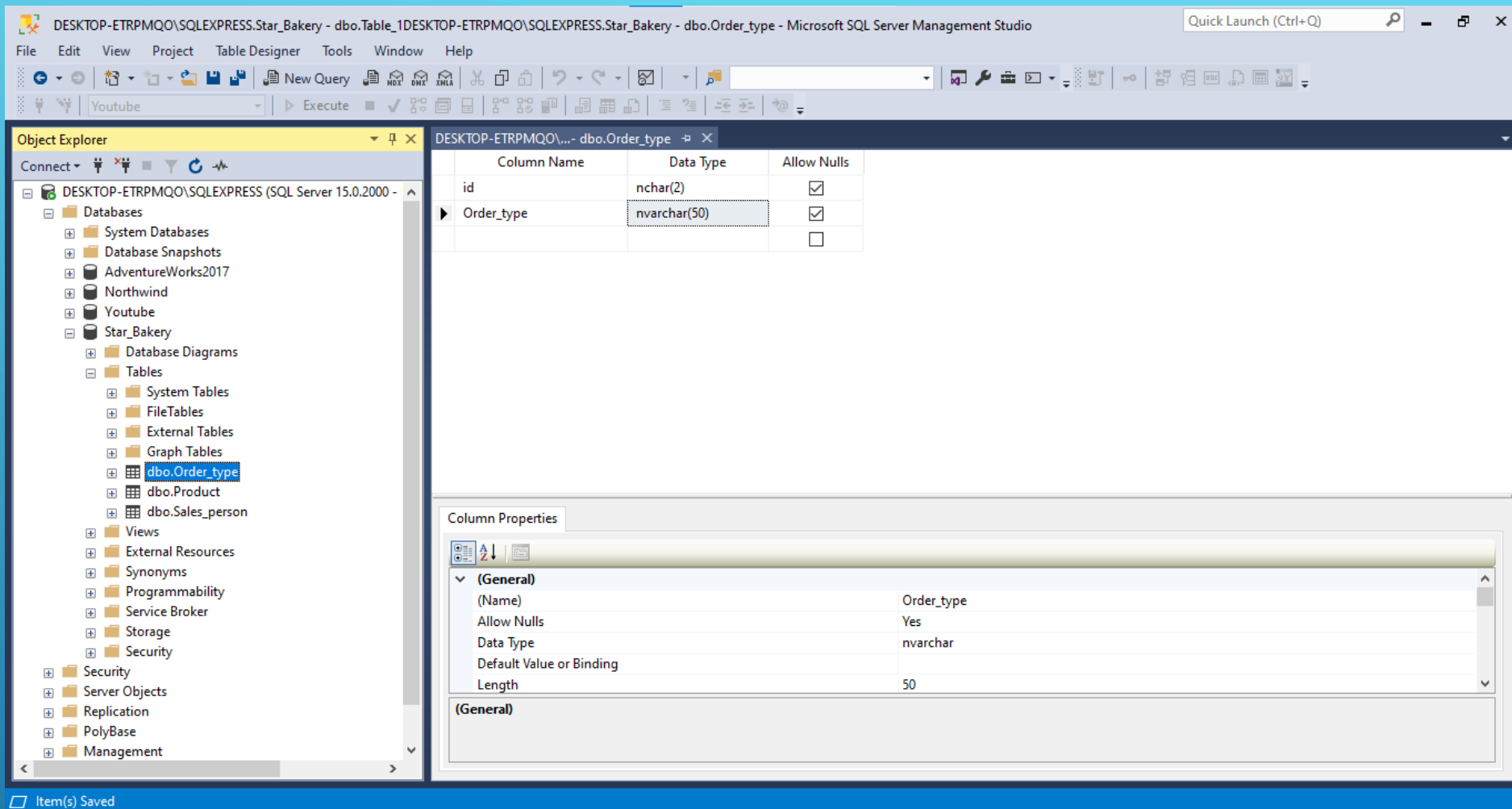
Column Properties

Item(s) Saved

CRIAR TABELA "PRODUCT"



CRIAR TABELA 'SALES_PERSON'



CRIAR TABELA 'ORDER_TYPE'

DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery - dbo.Table_1DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery - dbo.Orders - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

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Table Designer: dbo.Orders

Column Name	Data Type	Allow Nulls
id	nchar(10)	<input checked="" type="checkbox"/>
date	datetime	<input checked="" type="checkbox"/>
Product	nchar(2)	<input checked="" type="checkbox"/>
Sales_person	nchar(2)	<input checked="" type="checkbox"/>
Order_type	nchar(1)	<input checked="" type="checkbox"/>
Wiegth	numeric(5, 2)	<input checked="" type="checkbox"/>

Column Properties

(General)

(Name)	Wiegth
Allow Nulls	Yes
Data Type	numeric
Default Value or Binding	
Precision	5

Item(s) Saved

CRIAR TABELA 'ORDERS'

SQLQuery2.sql - DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery (DESKTOP-ETRPMQO\franc (53))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Star_Bakery Execute

Object Explorer

Connect

DESKTOP-ETRPMQO\SQLEXPRESS (SQL Server 15.0.2000 -

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 - PolyBase

SQLQuery2.sql - D...TRPMQO\franc (53))*

```
insert into product values (11, 'Bread', 14)
insert into product values (12, 'Pastries', 14)
insert into product values (13, 'Cakes', 16)
insert into product values (14, 'Cookies', 14)
insert into product values (15, 'Muffins', 20)
insert into product values (16, 'Pies', 14)
insert into product values (17, 'Donuts', 13)
insert into product values (18, 'Bagels', 14)
insert into product values (19, 'Biscuits', 13)
insert into product values (20, 'Rolls', 18)
```

110 %

Messages

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Query executed successfully.

Ln 10 Col 43 Ch 43 INS

SQLQuery2.sql - D...TRPMQO\franc (53))*

```
SELECT *
FROM dbo.Product
```

110 %

Results Messages

	ID	Product_Title	Price_per_Unit
1	11	Bread	14.00
2	12	Pastries	14.00
3	13	Cakes	16.00
4	14	Cookies	14.00
5	15	Muffins	20.00
6	16	Pies	14.00
7	17	Donuts	13.00
8	18	Bagels	14.00
9	19	Biscuits	13.00
10	20	Rolls	18.00

Query executed successfully.

INSERINDO DADOS NA TABELA

SQLQuery3.sql - DESKTOP-ETPRMQO\SQLEXPRESS.Star_Bakery (DESKTOP-ETPRMQO\franc (54))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Star_Bakery Execute

Object Explorer

Connect

DESKTOP-ETPRMQO\SQLEXPRESS (SQL Server 15.0.2000 -

Databases

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SQLQuery3.sql - D...TRPMQO\franc (54))*

```
insert into sales_person values ('11','Amir','Woods')
insert into sales_person values ('12','Megan','Boyer')
insert into sales_person values ('13','Lorelei','Tapia')
insert into sales_person values ('14','Elsie','Gallegos')
insert into sales_person values ('15','Alaina','Huynh')
```

110 %

Messages

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2023-03-10T22:05:54.5662357-03:00

110 %

Query executed successfully.

DESKTOP-ETPRMQO\SQLEXPRESS ... | DESKTOP-ETPRMQO\franc ... | Star_Bakery | 00:00:00 | 0 rows

Ready Ln 5 Col 56 Ch 56 INS

INSERINDO DADOS NA TABELA SALES_PERSON

SQLQuery3.sql - D...TRPMQO\franc (54))*

```
SELECT *
FROM dbo.Sales_person
```

110 %

Results Messages

	id	First_name	Last_name
1	11	Amir	Woods
2	12	Megan	Boyer
3	13	Lorelei	Tapia
4	14	Elsie	Gallegos
5	15	Alaina	Huynh

Query executed successfully.

SQLQuery4.sql - DESKTOP-ETRPMQO\SQLEXPRESS.Star_Bakery (DESKTOP-ETRPMQO\franc (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Star_Bakery Execute

Object Explorer

Connect

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SQLQuery4.sql - D...TRPMQO\franc (53))*

```
insert into order_type values ('1','Online')
insert into order_type values ('2','Counter')
insert into order_type values ('3','Phone')
```

110 %

Messages

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2023-03-10T22:11:31.5841696-03:00

110 %

Query executed successfully.

DESKTOP-ETRPMQO\SQLEXPRESS ... | DESKTOP-ETRPMQO\franc ... | Star_Bakery | 00:00

Ready Ln 4 Col 1 Ch 1 INS

SQLQuery4.sql - D...TRPMQO\franc (53))*

```
insert into order_type values ('1','Online')
insert into order_type values ('2','Counter')
insert into order_type values ('3','Phone')

SELECT *
FROM dbo.Order_type
```

110 %

Results Messages

	id	Order_type
1	1	Online
2	2	Counter
3	3	Phone

Query executed successfully.

INSERINDO DADOS NA TABELA ORDER_TYPE

CRIANDO UMA CONSULA DE SIMULAÇÃO DE VENDAS

OBS. Os dados dos pedidos serão gerado automaticamente
Para simular as vendas.

SQLQuery5.sql - DESKTOP-ETPRMQO\SQLEXPRESS.Star_Bakery (DESKTOP-ETPRMQO\franc (53))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Star_Bakery Execute

Object Explorer

Connect

DESKTOP-ETPRMQO\SQLEXPRESS (SQL Server 15.0.2000 -

Databases

System Databases

Database Snapshots

AdventureWorks2017

Northwind

Youtube

Star_Bakery

Database Diagrams

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System Tables

FileTables

External Tables

Graph Tables

dbo.Order_type

dbo.Orders

dbo.Product

dbo.Sales_person

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

Security

Server Objects

Replication

PolyBase

SQLQuery5.sql - D:\TRPMQO\franc (53))*

```
declare @id int=0;
declare @date datetime = getdate();
declare @product int = 0;
declare @sales_person int=0;
declare @order_type int=0;
declare @weight int=0;

declare @i int = 1

while (@i <=10)
begin
    waitfor delay '00:00:01'
    set @id = abs(checksum(newid())) % 999999;
    set @date = getdate();
    set @product = abs(checksum(newid())) % 10 + 10;
    set @sales_person = (abs(checksum(newid())) % 5) + 1 + 10;
    set @order_type = abs(checksum(newid())) % 3 + 1;
    set @weight = abs(checksum(newid())) % 10 + 1;
    insert into Orders values (@id, @date, @product, @sales_person, @order_type, @weight);
    set @i = @i + 1;
END
```

110 %

Messages

(1 row affected)

(1 row affected)

110 %

Query executed successfully.

DESKTOP-ETPRMQO\SQLEXPRESS ... | DESKTOP-ETPRMQO\franc ... | Star.B

Ready Query executed successfully. Ln 19 Col 98 Ch 89 INS

SQLQuery6.sql - D:\TRPMQO\franc (54))* SQLQuery5.sql - D:\TRPMQO\franc (53)

SELECT *

FROM Orders

110 %

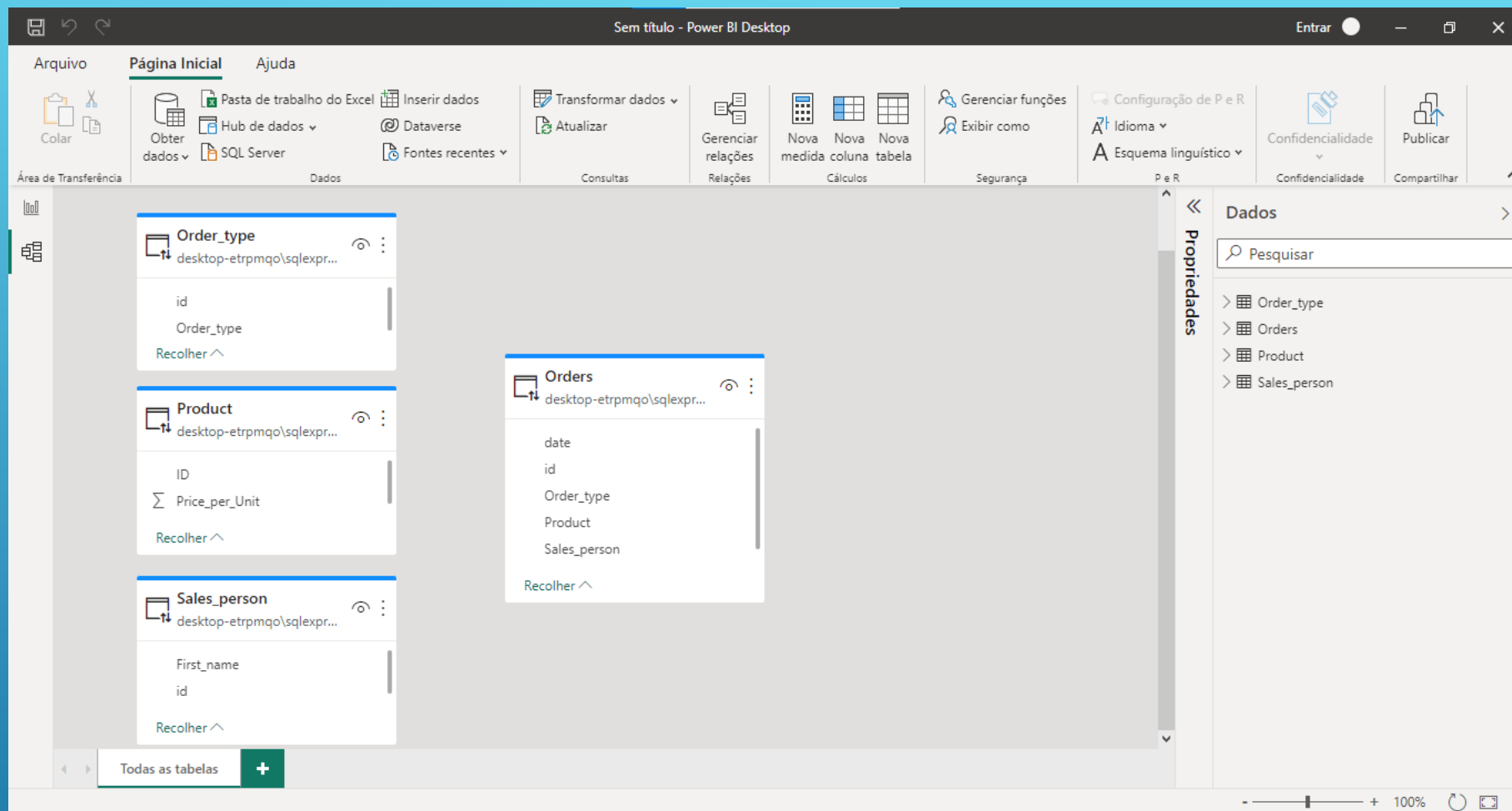
Results Messages

	id	date	Product	Sales_person	Order_type	Wieght
10	644878	2023-03-10 22:39:03.883	11	14	1	9.00
11	742120	2023-03-10 22:41:52.597	18	13	2	6.00
12	841301	2023-03-10 22:41:53.613	17	14	3	2.00
13	767996	2023-03-10 22:41:54.630	13	12	3	4.00
14	280846	2023-03-10 22:41:55.660	16	11	3	5.00
15	999193	2023-03-10 22:41:56.677	18	14	1	2.00
16	569642	2023-03-10 22:41:57.690	16	11	3	4.00
17	385603	2023-03-10 22:41:58.690	17	11	2	8.00
18	580645	2023-03-10 22:41:59.707	16	14	3	2.00
19	186722	2023-03-10 22:42:00.723	10	11	3	7.00
20	19584	2023-03-10 22:42:01.737	12	13	2	8.00

NOVA CONSULTA SQL

CONECTANDO O POWER BI AO SQL SERVER

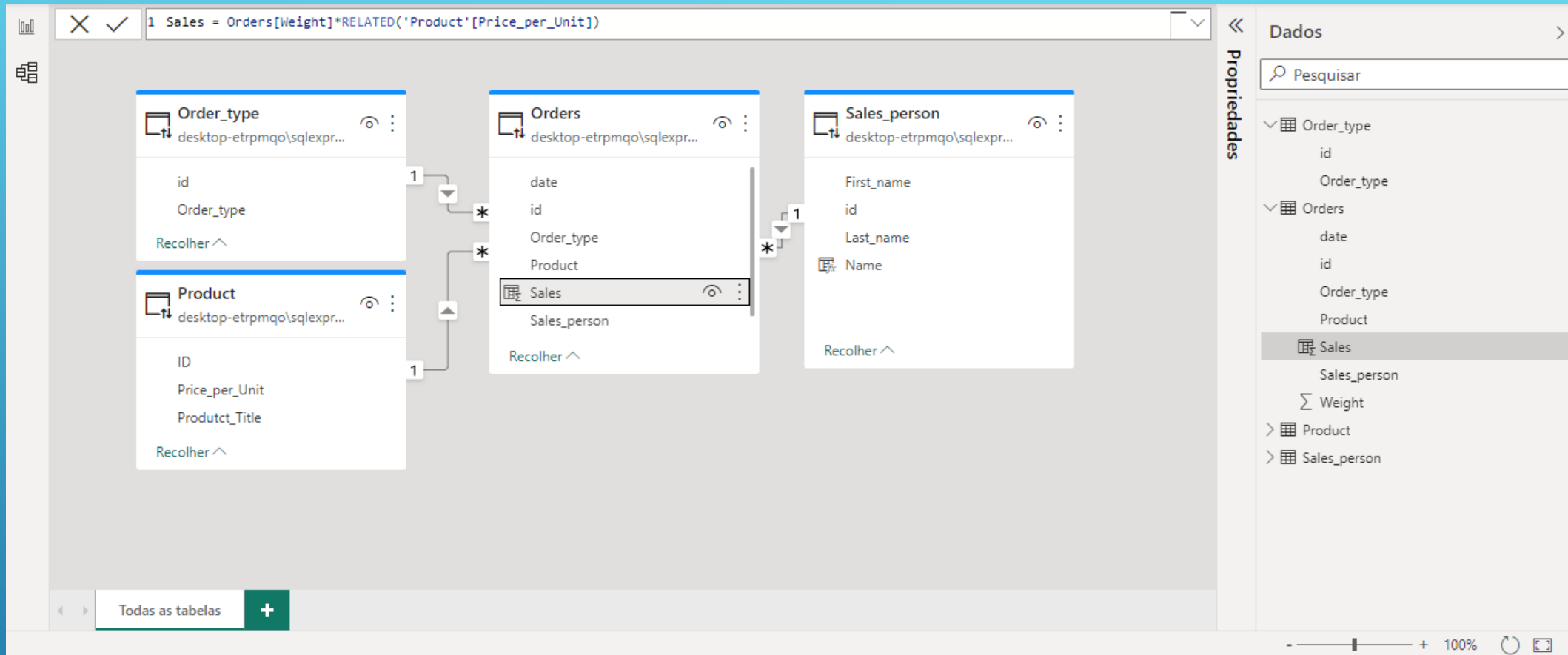




BASE CONECTADA EM TEMPO REAL (SQL SERVER)

CRIANDO O MODELO RELACIONAL A TABELA PEDIDOS 'ORDERS'





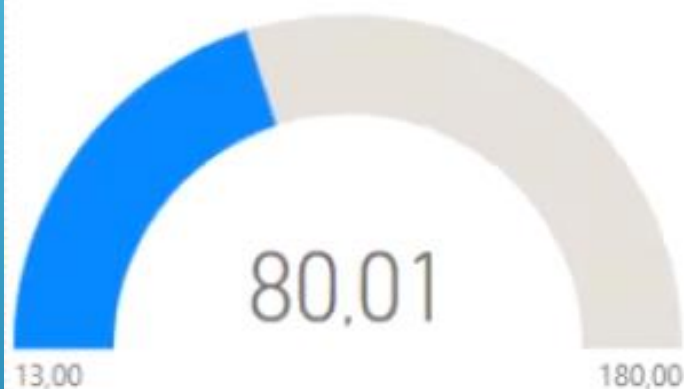
SALES_PERSON: NOVA COLUNA – NOME COMPLETO

CRIANDO UM PAINEL DE VENDAS EM TEMPO REAL



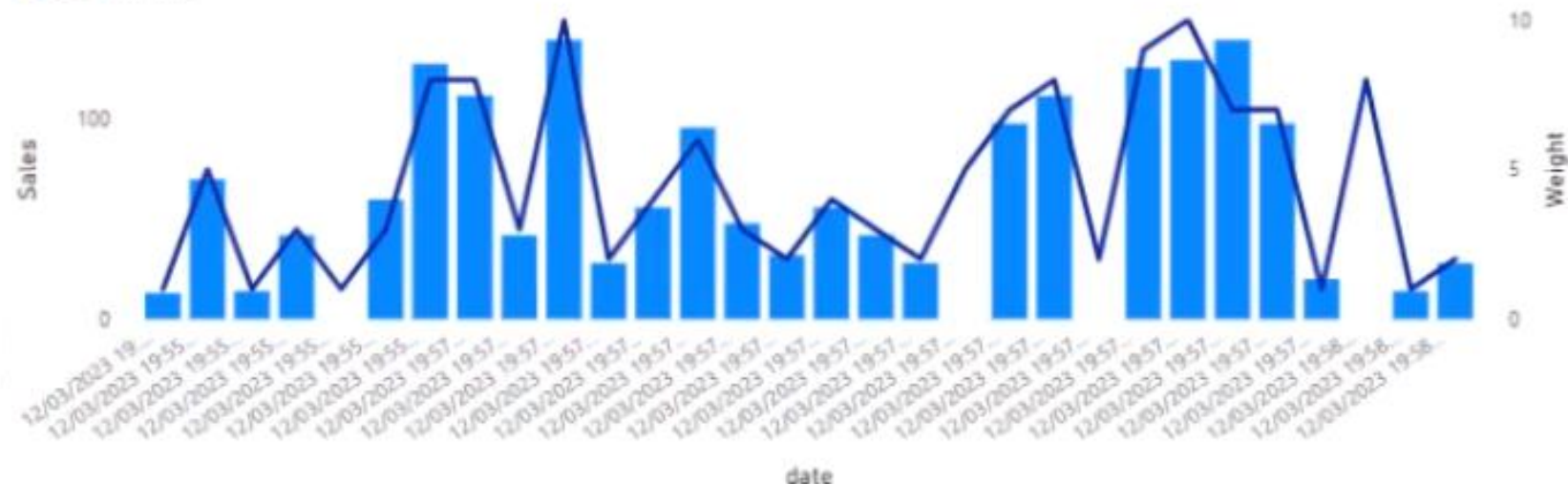
Realtime Sales Simulation Portfolio Project

Şales, Mínimo de Sales e Máximo de Sales

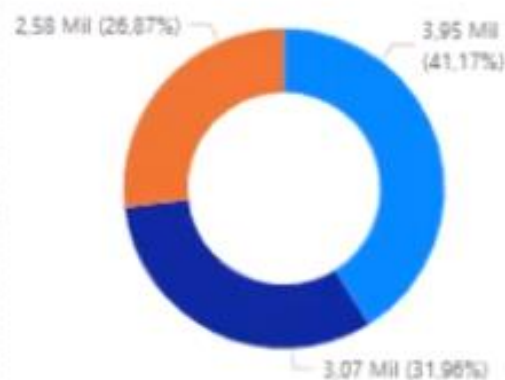


Şales e Weight por date

● Sales ● Weight



Şales por Order_type



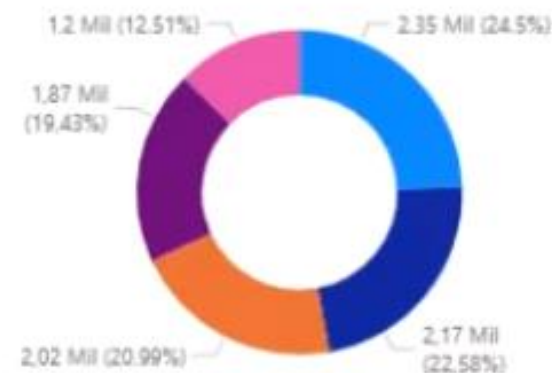
Order_type

● Phone
● Online
● Counter

Şales



Şales por Sales_person



Sales_person

● 14
● 15
● 11
● 12
● 13

