

## 1-1-1.2

The screenshot shows the Azure Data Studio interface with two SQL queries and their results.

**SQLQuery1.sql - 192...01.TSQLV4 (sa (67))**

```
--1.1
SELECT TOP (1000) [custid]
, [companyname]
, [country]
, [region]
, [city]
FROM [TSQLV4].[dbo].[Customers]
--1.1
INSERT INTO dbo.Customers
(custid, companyname, country, region, city)
VALUES
(100, 'Coho Winery', 'USA', 'WA', 'Redmond');
--1.2
INSERT INTO dbo.Customers
(custid, companyname, country, region, city)
SELECT C.custid, companyname, country, region, city
FROM SALES.Customers AS C
WHERE EXISTS
(SELECT o.custid FROM SALES.Orders AS O
WHERE o.custid = c.custid);
--1.3
DROP TABLE IF EXISTS dbo.Orders
SELECT *
INTO dbo.Orders
FROM sales.Orders as O
```

**Results**

	custid	companyname	country	region	city
1	1	Customer NRZBB	Germany	NULL	Berlin
2	2	Customer MLTDN	Mexico	NULL	Mexico D.F.
3	3	Customer KBUDE	Mexico	NULL	Mexico D.F.
4	4	Customer HFBZG	UK	NULL	London
5	5	Customer HGVLZ	Sweden	NULL	Luleå
6	6	Customer XHXIV	Germany	NULL	Mannheim
7	7	Customer QXVLA	France	NULL	Strasbourg
8	8	Customer QLHWH	Spain	NULL	Madrid
9	9	Customer RTXGC	France	NULL	Marseille
10	10	Customer EEALV	Canada	BC	Tsawassen
11	11	Customer UBHAU	UK	NULL	London
12	12	Customer PSNMQ	Argentina	NULL	Buenos Aires
13	13	Customer VMLOG	Mexico	NULL	Mexico D.F.
14	14	Customer WNMFA	Switzerland	NULL	Bern
15	15	Customer JUWKK	Brazil	SP	Sao Paulo
16	16	Customer GYBYY	UK	NULL	London
17	17	Customer FEVNN	Germany	NULL	Aachen
18	18	Customer BSVAR	France	NULL	Nantes
19	19	Customer RFNQC	UK	NULL	London

**SQLQuery2.sql - 192...01.TSQLV4 (sa (68))**

```
--1.1-1.2
SELECT TOP (1000) [custid]
, [companyname]
, [country]
, [region]
, [city]
FROM [TSQLV4].[dbo].[Customers]
```

**Results**

	custid	companyname	country	region	city
7	7	Customer QXVLA	France	NULL	Strasbourg
8	8	Customer QLHWH	Spain	NULL	Madrid
9	9	Customer RTXGC	France	NULL	Marseille
10	10	Customer EEALV	Canada	BC	Tsawassen
11	11	Customer UBHAU	UK	NULL	London
12	12	Customer PSNMQ	Argentina	NULL	Buenos Aires
13	13	Customer VMLOG	Mexico	NULL	Mexico D.F.
14	14	Customer WNMFA	Switzerland	NULL	Bern
15	15	Customer JUWKK	Brazil	SP	Sao Paulo
16	16	Customer GYBYY	UK	NULL	London
17	17	Customer FEVNN	Germany	NULL	Aachen

## 1.3

The screenshot shows the Azure Data Studio interface with two SQL queries and their results.

**SQLQuery1.sql - 192...01.TSQLV4 (sa (67))**

```
--1.3
DROP TABLE IF EXISTS dbo.Orders
SELECT *
INTO dbo.Orders
FROM sales.Orders as O
WHERE o.orderdate >='20140101' AND O.orderdate <'20170101'
```

**Results**

	custid	companyname	country	region	city
1	1	Customer NRZBB	Germany	NULL	Berlin
2	2	Customer MLTDN	Mexico	NULL	Mexico D.F.
3	3	Customer KBUDE	Mexico	NULL	Mexico D.F.
4	4	Customer HFBZG	UK	NULL	London
5	5	Customer HGVLZ	Sweden	NULL	Luleå
6	6	Customer XHXIV	Germany	NULL	Mannheim
7	7	Customer QXVLA	France	NULL	Strasbourg
8	8	Customer QLHWH	Spain	NULL	Madrid
9	9	Customer RTXGC	France	NULL	Marseille
10	10	Customer EEALV	Canada	BC	Tsawassen
11	11	Customer UBHAU	UK	NULL	London
12	12	Customer PSNMQ	Argentina	NULL	Buenos Aires
13	13	Customer VMLOG	Mexico	NULL	Mexico D.F.
14	14	Customer WNMFA	Switzerland	NULL	Bern
15	15	Customer JUWKK	Brazil	SP	Sao Paulo
16	16	Customer GYBYY	UK	NULL	London
17	17	Customer FEVNN	Germany	NULL	Aachen
18	18	Customer BSVAR	France	NULL	Nantes
19	19	Customer RFNQC	UK	NULL	London

**SQLQuery2.sql - 192...01.TSQLV4 (sa (68))**

```
USE TSQLV4;
GO
SELECT *
FROM DBO.ORDERS
```

**Results**

	orderid	custid	empid	orderdate	requireddate	shippeddate	shipperid	freight	st
1	10248	85	5	2014-07-04	2014-08-01	2014-07-16	3	32.38	
2	10249	79	6	2014-07-05	2014-08-16	2014-07-10	1	11.61	
3	10250	34	4	2014-07-08	2014-08-05	2014-07-12	2	65.83	
4	10251	84	3	2014-07-08	2014-08-05	2014-07-15	1	41.34	
5	10252	76	4	2014-07-09	2014-08-06	2014-07-11	2	51.30	
6	10253	34	3	2014-07-10	2014-07-24	2014-07-16	2	58.17	
7	10254	14	5	2014-07-11	2014-08-08	2014-07-23	2	22.98	
8	10255	68	9	2014-07-12	2014-08-09	2014-07-15	3	148.33	
9	10256	88	3	2014-07-15	2014-08-12	2014-07-17	2	13.97	
10	10257	35	4	2014-07-16	2014-08-13	2014-07-22	3	81.91	
11	10258	20	1	2014-07-17	2014-08-14	2014-07-23	1	149.51	
12	10259	13	4	2014-07-18	2014-08-15	2014-07-25	3	3.25	

## 2.

SQLQuery3.sql - 192...01.TSQLV4 (sa (67))    SQLQuery2.sql - 192...01.TSQLV4 (sa (68))    SQLQuery1.sql - 192...01.TSQLV4 (sa (69))    Chapter 08 - Data M...01.TSQLV4 (sa (60))    Chapter 08 - Data M...01.master (sa (58))

```
--2
DELETE FROM dbo.Orders
OUTPUT
    deleted.orderid,
    deleted.orderdate
WHERE orderdate < '20140801';
```

100 %    Results    Messages

	orderid	orderdate
4	10251	2014-07-08
5	10252	2014-07-09
6	10253	2014-07-10
7	10254	2014-07-11
8	10255	2014-07-12
9	10256	2014-07-15
10	10257	2014-07-16
11	10258	2014-07-17
12	10259	2014-07-18
13	10260	2014-07-19
14	10261	2014-07-19
15	10262	2014-07-22
16	10263	2014-07-23
17	10264	2014-07-24
18	10265	2014-07-25
19	10266	2014-07-26
20	10267	2014-07-29
21	10268	2014-07-30
22	10269	2014-07-31

Query executed successfully.    192.168.4.21,13001 (15.0 RTM)    sa (63)    TSQLV4    00:00:00    22 rows

3.

```
-- 3
--- Delete from the dbo.Orders table orders placed by customers from Brazil
DELETE FROM dbo.Orders
FROM dbo.Orders AS O
INNER JOIN dbo.Customers AS C
    on c.custid = o.custid
WHERE shipcountry = 'Brazil';
```

00 %    Messages

(79 rows affected)

Completion time: 2022-10-29T23:34:54.4461064-04:00

100 %    Query executed successfully.    192.168.4.21,13001 (15.0 RTM)    sa (63)    TSQLV4    00:00:00    0 rows

4.

SQLQuery1.sql - 192.168.4.21,13001 (15.0 RTM) | sa (63) | Chapter 08 - Data M...01,TSQV4 (sa (60)) | Chapter 08 - Data M...01, master (sa (58))

```
-- 4
-- Run the following query against dbo.Customers,
-- and notice that some rows have a NULL in the region column
SELECT * FROM dbo.Customers;
-- Update the dbo.Customers table and change all NULL region values to '<None>'
-- Use the OUTPUT clause to show the custid, old region and new region
-- Desired output:
UPDATE dbo.Customers
SET Region = '<None>'
OUTPUT
deleted.custid,
deleted.region AS oldregion,
inserted.region AS newregion
where region IS NULL
```

100 %

Results Messages

	custid	oldregion	newregion
1	1	NULL	<None>
2	2	NULL	<None>
3	3	NULL	<None>
4	4	NULL	<None>
5	5	NULL	<None>
6	6	NULL	<None>
7	7	NULL	<None>
8	8	NULL	<None>
9	9	NULL	<None>
10	11	NULL	<None>
11	12	NULL	<None>
12	13	NULL	<None>
13	14	NULL	<None>
14	16	NULL	<None>
15	17	NULL	<None>
16	18	NULL	<None>
17	19	NULL	<None>
18	20	NULL	<None>
19	23	NULL	<None>

Query executed successfully. 192.168.4.21,13001 (15.0 RTM) | sa (63) | TSQV4 | 00:00:00 | 58 rows

5.

```
-- 5
-- Update in the dbo.Orders table all orders placed by UK customers
-- and set their shipcountry, shipregion, shipcity values
-- to the country, region, city values of the corresponding customers from dbo.Customers
UPDATE O
SET O.shipcountry = C.country,
O.shipregion = C.region,
O.shipcity = C.city
FROM dbo.Orders AS O
INNER JOIN dbo.Customers AS C
ON O.custid = C.custid
WHERE C.country = 'UK'
```

30 %

Messages

(56 rows affected)

Completion time: 2022-10-30T00:12:30.3675426-04:00

100 %

Query executed successfully. 192.168.4.21,13001 (15.0 RTM) | sa (63) | TSQV4 | 00:00:00 | 0 rows

6.

Messages

Commands completed successfully.

Completion time: 2022-10-30T00:45:13.8934516-04:00

Query executed successfully.