

# CREATING TABLES

The image displays two screenshots of the Microsoft SQL Server Management Studio (SSMS) interface, demonstrating the process of creating and modifying a table in a database.

**Top Screenshot:** The SQL Query window shows the creation of a table named 'People' in the 'TablesDB' database. The table has four columns: 'PeopleName' (varchar(20), NOT NULL), 'PeopleSurname' (varchar(20), NOT NULL), 'PeopleBirthDay' (date, NOT NULL), and 'PeopleCity' (varchar(20)). The query includes an INSERT statement with five rows of data and an UPDATE statement to change the city of the person with ID 2 to 'Novograd-Volynskiy'.

```
CREATE TABLE People
(
    PeopleName varchar(20) NOT NULL,
    PeopleSurname varchar(20) NOT NULL,
    PeopleBirthDay date NOT NULL,
    PeopleCity varchar(20)
)

INSERT INTO People
(PeopleName, PeopleSurname, PeopleBirthDay, PeopleCity)
VALUES
('Volodymyr', 'Zelenskiy', '01.01.1978', 'Kriviy Rih'),
('Valeriy', 'Zaluzhnyi', '02.02.1972', 'Novograd'),
('Oleksiy', 'Arestovich', '03.03.1977', 'Kyiv'),
('Volodymyr', 'Zolkin', '04.04.1980', 'Kyiv')

UPDATE People
SET PeopleCity = 'Novograd-Volynskiy' WHERE PeopleId = '2'
```

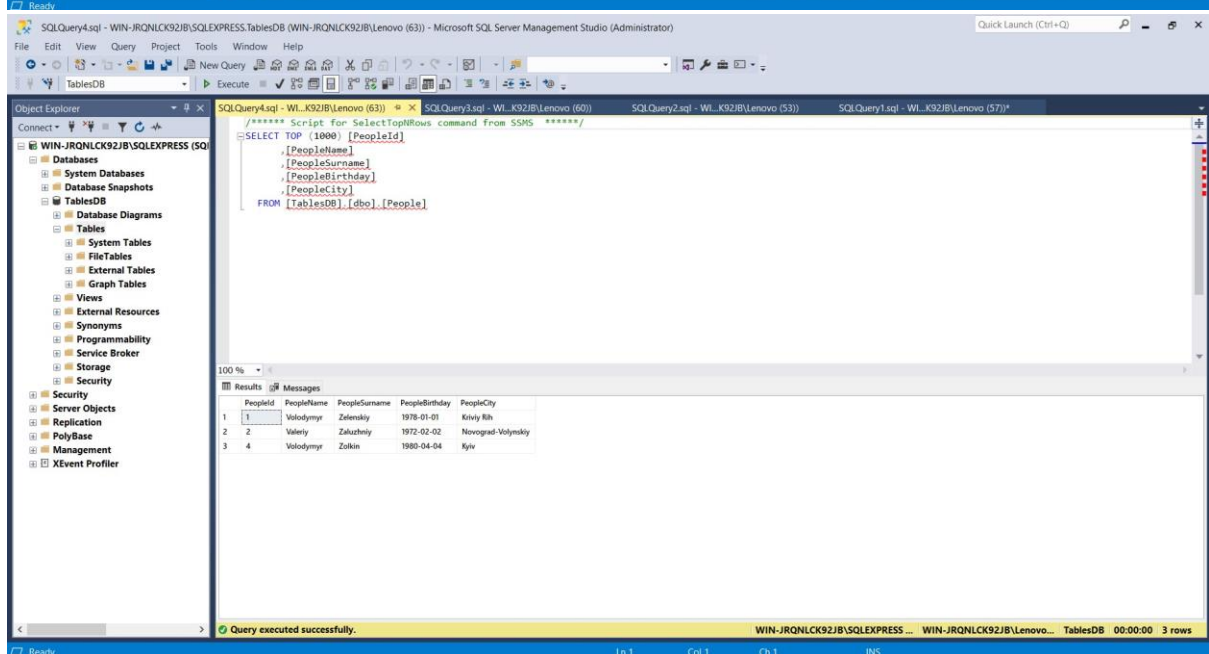
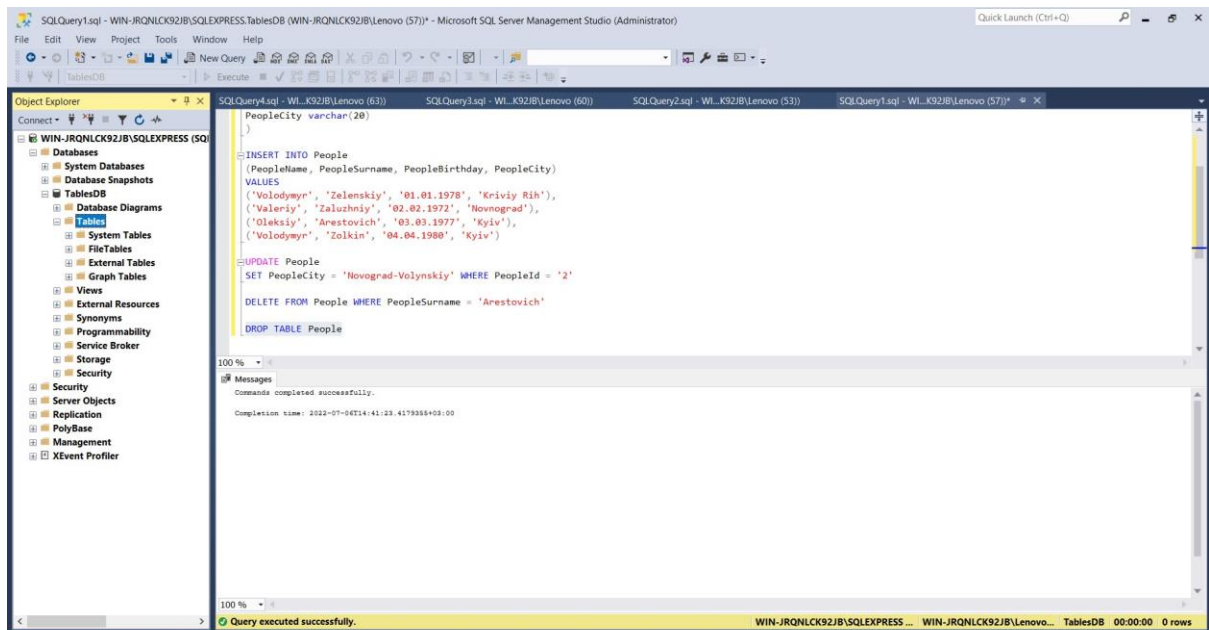
The Messages pane shows the completion time: 2022-07-04T14:35:12.3829654+03:00. The status bar indicates the query executed successfully.

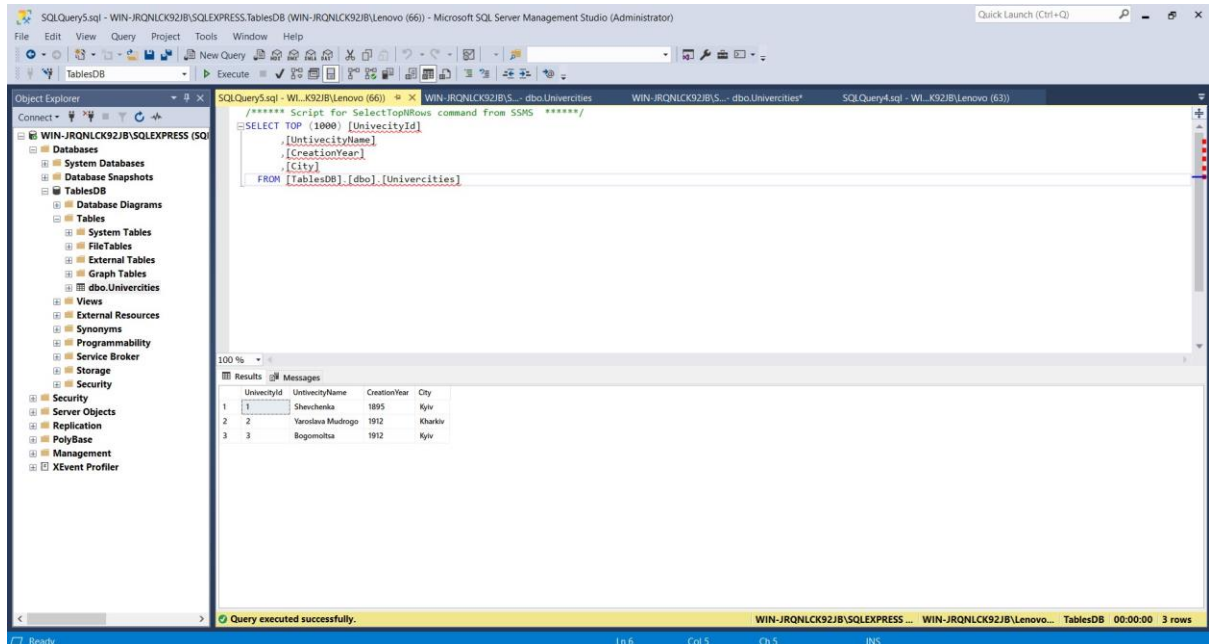
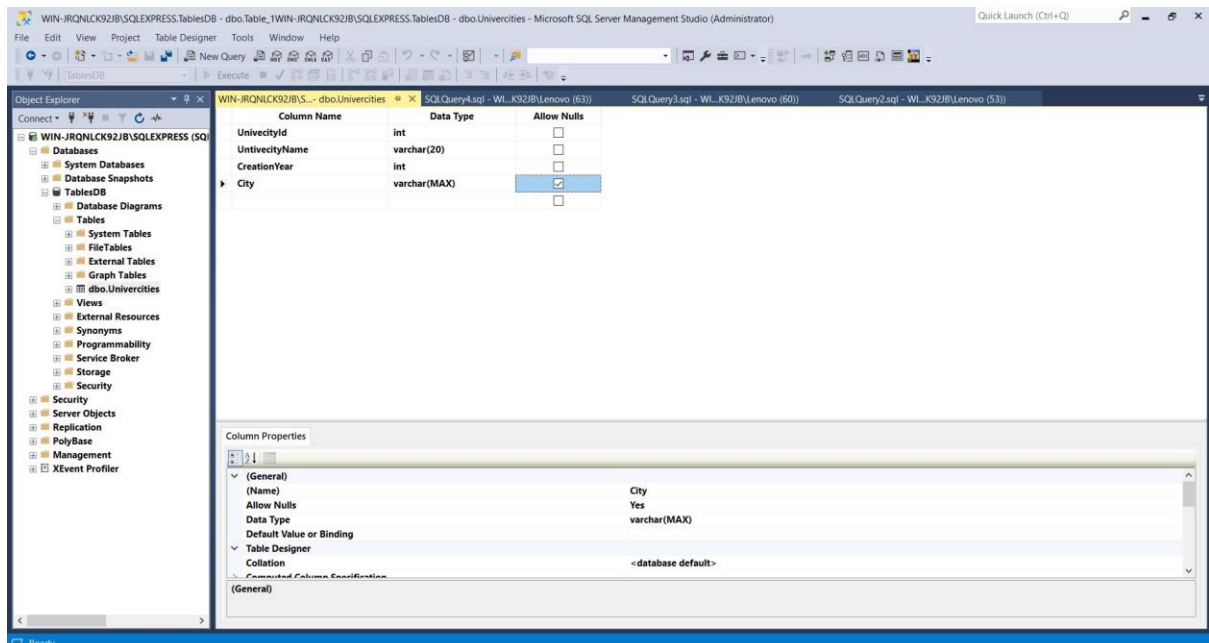
**Bottom Screenshot:** The SQL Query window shows the modification of the 'People' table. The query includes an UPDATE statement to change the city of the person with ID 2 to 'Novograd-Volynskiy' and a DELETE statement to remove the person with the surname 'Arestovich'.

```
UPDATE People
SET PeopleCity = 'Novograd-Volynskiy' WHERE PeopleId = '2'

DELETE FROM People WHERE PeopleSurname = 'Arestovich'
```

The Messages pane shows the completion time: 2022-07-04T14:39:12.8904711+03:00. The status bar indicates the query executed successfully.





SQLQuery5.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (58)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

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SQLQuery5.sql - WIN-JRQNLCK92JB\Lenovo (58)

```
/*Script for SelectTopRows command from SMS*/
SELECT TOP (1000) [StudentId]
,[PeopleId]
,[Faculty]
,[GraduationYear]
,[UniversityId]
FROM [TablesDB].[dbo].[Students]
```

100 %

Results Messages

	StudentId	PeopleId	Faculty	GraduationYear	UniversityId
1	1	3	Psychologic	2005	3
2	2	1	Humor	2003	1
3	3	2	Law	2000	2
4	4	4	Law	2005	2

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo... TablesDB 00:00:00 4 rows

## QUERIES

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (S4)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (S4) \*

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UniversityName LIKE '%u%'
SELECT CreationYear, UniversityName FROM Universities WHERE UniversityName LIKE '%a%'
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear
```

Results

CreationYear	(No column name)
1895	1
1912	2
1999	1

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 3 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (S4)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (S4) \*

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UniversityName LIKE '%u%'
SELECT CreationYear, UniversityName FROM Universities WHERE UniversityName LIKE '%a%'
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear HAVING CreationYear > 1900
```

Results

CreationYear	(No column name)
1912	2
1999	1

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 2 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (54)

```
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UntiversityName LIKE '%a%'
SELECT CreationYear, UntiversityName FROM Universities WHERE UntiversityName LIKE '%a%'
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear HAVING CreationYear > 1900
SELECT * FROM Universities ORDER BY UntiversityName
SELECT * FROM Universities ORDER BY UntiversityName DESC
```

100 %

Results Messages

	UniversityId	UntiversityName	CreationYear	City
1	2	Yaroslava Mudrogo	1912	Kharkiv
2	4	Torgonyi	1999	Kyiv
3	1	Shevchenko	1895	Kyiv
4	3	Bogomolova	1912	Kyiv

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 4 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (54)

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UntiversityName LIKE '%a%'
SELECT CreationYear, UntiversityName FROM Universities WHERE UntiversityName LIKE '%a%'
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear
SELECT CreationYear, Count(CreationYear) FROM Universities GROUP BY CreationYear HAVING CreationYear > 1900
SELECT * FROM Universities ORDER BY UntiversityName
```

100 %

Results Messages

	UniversityId	UntiversityName	CreationYear	City
1	3	Bogomolova	1912	Kyiv
2	1	Shevchenko	1895	Kyiv
3	4	Torgonyi	1999	Kyiv
4	2	Yaroslava Mudrogo	1912	Kharkiv

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 4 rows

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SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery3.sql - WL\_K92JB\Lenovo (56)

```
--SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UnivcityName LIKE '%K%'
```

100 %

Results Messages

UnivcityId	UnivcityName	CreationYear	City
2	Yaroslava Mudrogo	1912	Kharkiv

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 1 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery3.sql - WL\_K92JB\Lenovo (56)

```
--SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UnivcityName LIKE '%K%'
SELECT CreationYear FROM Universities WHERE UnivcityName LIKE '%K%'
```

100 %

Results Messages

CreationYear
1895
1912
1912

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 3 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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TablesDB

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (54) \*

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
SELECT * FROM Universities WHERE UniversityName LIKE '%a%'
SELECT CreationYear, UniversityName FROM Universities WHERE UniversityName LIKE '%a%'
```

100 %

Results Messages

	CreationYear	UniversityName
1	1895	Shervchenka
2	1912	Varoslava Mudrogo
3	1912	Bogomoltsa

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo... TablesDB 00:00:00 3 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (54)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (54) \*

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = '2'
SELECT * FROM Universities WHERE City LIKE 'K%'
```

100 %

Results Messages

	UniversityId	UniversityName	CreationYear	City
1	1	Shervchenka	1895	Kyiv
2	2	Varoslava Mudrogo	1912	Kharkiv
3	3	Bogomoltsa	1912	Kyiv

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo... TablesDB 00:00:00 3 rows



SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (S4)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (S4) \*

```
SELECT * FROM People
SELECT * FROM Students
SELECT * FROM Students WHERE StudentId = 2
```

100 %

Results Messages

	StudentId	PeopleId	Faculty	GraduationYear	UniversityId
1	2	1	Homer	2003	1

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 1 rows

SQLQuery2.sql - WIN-JRQNLCK92JB\SQLEXPRESS.TablesDB (WIN-JRQNLCK92JB\Lenovo (S4)) - Microsoft SQL Server Management Studio (Administrator)

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SQLQuery2.sql - WIN-JRQNLCK92JB\Lenovo (S4) \*

```
SELECT * FROM People
```

100 %

Results Messages

	PeopleId	PeopleName	PeopleSurname	PeopleBirthdate	PeopleCity
1	1	Volodymyr	Zeleniysky	1978-01-01	Kyiv Rih
2	2	Valeriy	Zakushech	1972-02-02	Novograd-Volynsky
3	3	Oleksiy	Arestovich	1977-03-03	Kyiv
4	4	Volodymyr	Zolkin	1980-04-04	Kyiv

Query executed successfully.

WIN-JRQNLCK92JB\SQLEXPRESS ... WIN-JRQNLCK92JB\Lenovo ... TablesDB 00:00:00 4 rows