

به نام خدا



آزمایش 7 پایگاه داده
حدیث غفوری (9825413)

سوال 1

```
exec xp_cmdshell
'bcf AdventureWorks2012.Sales.SalesTerritory out
"C:\Users\Win 10\Desktop\term6\az DB\homeworks\az7_9825413\salesTerritory.txt"
-T -c -t" " ';
```

	output
1	NULL
2	Starting copy...
3	NULL
4	10 rows copied.
5	Network packet size (bytes): 4096
6	Clock Time (ms.) Total : 1 Average : (1...
7	NULL

```
exec xp_cmdshell
'bcp AdventureWorks2012.Sales.SalesTerritory out
"C:\Users\Win 10\Desktop\term6\az DB\homeworks\az7_9825413\salesTerritory.txt"
-T -c -t"|" ';
```

salesTerritory.txt - Notepad

1	Northwest US North America 7887186.7882 3298694.4938 .0000 .0000 43689A10-E30B-497F-B0DE-11DE20267FF7 2002-06-01
2	Northeast US North America 2402176.8476 3607148.9371 .0000 .0000 00FB7309-96CC-49E2-8363-0A1BA72486F2 2002-06-01
3	Central US North America 3072175.1180 3205014.0767 .0000 .0000 DF6E7FD8-1A8D-468C-B103-ED8ADD8452C1 2002-06-01
4	Southwest US North America 10510853.8739 5366575.7098 .0000 .0000 DC3E9EA0-7950-4431-9428-99DBCBC33865 2002-06-01
5	Southeast US North America 2538667.2515 3925071.4318 .0000 .0000 6DC4165A-5E4C-42D2-809D-4344E0AC75E7 2002-06-01
6	Canada CA North America 6771829.1376 5693988.8600 .0000 .0000 06B4AF8A-1639-476E-9266-110461D66B00 2002-06-01
7	France FR Europe 4772398.3078 2396539.7601 .0000 .0000 BF806804-9B4C-4B07-9D19-706FE689552 2002-06-01
8	Germany DE Europe 3805202.3478 1307949.7917 .0000 .0000 6D2450DB-8159-414F-A917-E73EE91C38A9 2002-06-01
9	Australia AU Pacific 5977814.9154 2278548.9776 .0000 .0000 602E612E-DFE9-41D9-B894-27E489747885 2002-06-01
10	United Kingdom GB Europe 5012905.3656 1635823.3967 .0000 .0000 05FC7E1F-2DEA-414E-9ECD-09D150516FB5 2002-06-01

ساخت جدول جدید

```
CREATE TABLE [Sales].[SalesTerritoryNew](
    [TerritoryID] [int] NOT NULL,
    [Name] [dbo].[Name] NOT NULL,
    [CountryRegionCode] [nvarchar](3) NOT NULL,
    [Group] [nvarchar](50) NOT NULL,
    [SalesYTD] [money] NOT NULL,
    [SalesLastYear] [money] NOT NULL,
    [CostYTD] [money] NOT NULL,
    [CostLastYear] [money] NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
)
```

145 %

Messages

Commands completed successfully.

Completion time: 2022-04-27T08:23:56.3438284+04:30

```
bulk insert Sales.SalesTerritoryNew
from 'C:\Users\Win 10\Desktop\term6\az DB\homeworks\az7_9825413\salesTerritory.txt'
with
(
    fieldterminator = '|'
)
```

145 %

Messages

(10 rows affected)

Completion time: 2022-04-27T08:26:49.0059274+04:30

```
select * from Sales.SalesTerritoryNew;
```

	TerritoryID	Name	CountryRegionCode	Group	SalesYTD	SalesLastYear	Cost
1	1	Northwest	US	North America	7887186.7882	3298694.4938	0.00
2	2	Northeast	US	North America	2402176.8476	3607148.9371	0.00
3	3	Central	US	North America	3072175.118	3205014.0767	0.00
4	4	Southwest	US	North America	10510853.8739	5366575.7098	0.00
5	5	Southeast	US	North America	2538667.2515	3925071.4318	0.00
6	6	Canada	CA	North America	6771829.1376	5693988.86	0.00
7	7	France	FR	Europe	4772398.3078	2396539.7601	0.00

سوال 2

```
exec xp_cmdshell
'bcp
"select Name , TerritoryID from AdventureWorks2012.Sales.SalesTerritory"
queryout "C:\Users\Win 10\Desktop\term6\az DB\homeworks\az7_9825413\soal2_output.txt" -T -c -t;'
```

	output
1	NULL
2	Starting copy...
3	NULL
4	10 rows copied.
5	Network packet size (bytes): 4096
6	Clock Time (ms.) Total : 16 Average : (6...
7	NULL

خروجی در فایل:

```
exec xp_cmdshell 'bcp "select Name , TerritoryID  from AdventureWorks2012.Sales.SalesTerritory" queryout
```

The screenshot shows a Notepad window titled 'soal2_output.txt - Notepad'. The text inside the window is a list of countries and their counts, separated by semicolons:

```
Australia;9
Canada;6
Central;3
France;7
Germany;8
Northeast;2
Northwest;1
Southeast;5
Southwest;4
United Kingdom;10
```

Below the Notepad window, there is a table with 7 rows. The first row has a header 'output'. The second row has the value 'NULL'. The third row has the value 'Starting copy...'. The fourth row has the value 'NULL'. The fifth row has the value '10 rows copied.'. The sixth row has the value 'Network packet'. The seventh row has the value 'NULL'.

	output
1	NULL
2	Starting copy...
3	NULL
4	10 rows copied.
5	Network packet
6	Clock Time (ms.) Total : 16 Average : (6...
7	NULL

سوال 3

```
exec xp_cmdshell 'bcp "AdventureWorks2012.Production.Location" out "C:\Users\Win 10\Desktop\term6\az DB\homeworks\az7_9825413\location.c'
```

-----سه ال 4-----

```
suits  Messages
output
NULL
Starting copy...
NULL
14 rows copied.
Network packet size (bytes): 4096
Clock Time (ms.) Total   : 1   Average : (1...
NULL
```

سوال 4

```

select Name, Demographics.query('
declare default element namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
for $x in /StoreSurvey
return
<result>
{$x/AnnualSales}
</result>
') as AnnualSales,
Demographics.query('
declare default element namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
for $x in /StoreSurvey
return
<result>
{$x/YearOpened}
</result>

```

		AnnualSales	YearOpened
1	Bike Store	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc
2	nal Sales and Service	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc
3	mpany	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc
4	Mechanics	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc
5	le Supply	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc
6	Accessories	<result xmlns="http://schemas.microsoft.com/sqls...	<result xmlns="http://sc

```

exec xp_cmdshell 'bcp "select Name, Demographics.query(''declare default element namespace \"h

```

	output
1	NULL
2	Starting copy...
3	NULL
4	701 rows copied.
5	Network packet size (bytes): 4096
6	Clock Time (ms.) Total : 125 Average : (5...
7	NULL

xml_output.txt - Notepad

File Edit Format View Help

```
Next-Door Bike Store;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Professional Sales and Service;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Riders Company;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
The Bike Mechanics;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Nationwide Supply;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Area Bike Accessories;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Bicycle Accessories and Kits;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Clamps & Brackets Co.;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Valley Bicycle Specialists;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
New Bikes Company;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Vinyl and Plastic Goods Corporation;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Top of the Line Bikes;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Fun Toys and Bikes;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Great Bikes ;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Metropolitan Sales and Rental;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Irregulars Outlet;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Valley Toy Store;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Worthwhile Activity Store;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Purchase Mart;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Major Sport Suppliers;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Family's Favorite Bike Shop;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Global Plaza;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Imported and Domestic Cycles;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Systematic Sales;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
eCommerce Bikes;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Mountain Toy Store;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Retail Sales and Service;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Designated Distributors;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Bold Bike Accessories;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Twin Cycles;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Tiny Bike Boutique;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Acclaimed Bicycle Company;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
Serious Cycles;<result xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey">
```