

File Edit View Query Project Tools Window Help



Object Explorer

Connect

MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

SQLQuery2.sql - ME...orks2019 (sa (52))*

```
--1. Display the SalesOrderID, ShipDate of the SalesOrderHeader table (Sales schema) to show SalesOrders that occurred within the period 7/28/2002 and 7/29/2014

select SalesOrderID,ShipDate from sales.SalesOrderHeader where OrderDate between '7/28/2002' and '7/29/2014'
```

100 %

Results Messages

	SalesOrderID	ShipDate
1	43659	2011-06-07 00:00:00.000
2	43660	2011-06-07 00:00:00.000
3	43661	2011-06-07 00:00:00.000
4	43662	2011-06-07 00:00:00.000
5	43663	2011-06-07 00:00:00.000
6	43664	2011-06-07 00:00:00.000
7	43665	2011-06-07 00:00:00.000
8	43666	2011-06-07 00:00:00.000
9	43667	2011-06-07 00:00:00.000
10	43668	2011-06-07 00:00:00.000
11	43669	2011-06-07 00:00:00.000
12	43670	2011-06-07 00:00:00.000
13	43671	2011-06-07 00:00:00.000
14	43672	2011-06-07 00:00:00.000
15	43673	2011-06-07 00:00:00.000
16	43674	2011-06-07 00:00:00.000
17	43675	2011-06-07 00:00:00.000

SQLQuery2.sql - MENNAS-LAPTOP\MSSQLSERVER22.AdventureWorks2019 (sa (52))* - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

FileEditViewQueryProjectToolsWindowHelp

AdventureWorks2019

Execute

Object Explorer

Connect

MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

Databases

System Databases

Database Snapshots

AdventureWorks2019

Company_SD

data_test

HR

ITI

Security

Server Objects

Replication

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent

XEvent Profiler

SQLQuery2.sql - ME...orks2019 (sa (52))*

2

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19

select SalesOrderID,ShipDate from sales.SalesOrderHeader where OrderDate between '7/28/2002' and '7/29/2014'

--2. Display only Products(Production schema) with a StandardCost below \$110.00 (show ProductID, Name only)

select ProductID,Name from Production.Product where StandardCost <110

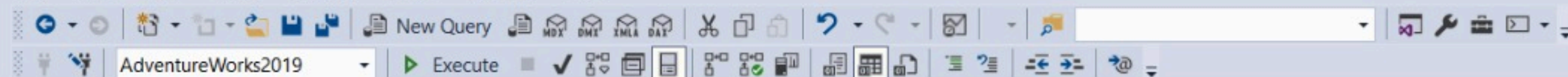
100 %

Results

Messages

	ProductID	Name
1	1	Adjustable Race
2	2	Bearing Ball
3	3	BB Ball Bearing
4	4	Headset Ball Bearings
5	316	Blade
6	317	LL Crankarm
7	318	ML Crankarm
8	319	HL Crankarm
9	320	Chainring Bolts
10	321	Chainring Nut
11	322	Chainring
12	323	Crown Race
13	324	Chain Stays
14	325	Decal 1
15	326	Decal 2
16	327	Down Tube
17	328	Mountain End Caps

File Edit View Query Project Tools Window Help



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MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

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 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
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SQLQuery2.sql - ME...orks2019 (sa (52))*

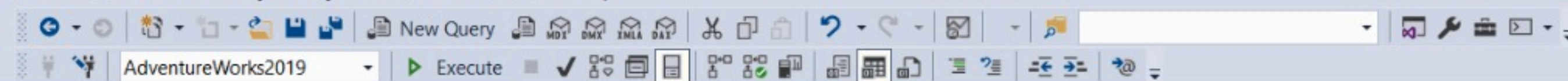
```
2
3 select SalesOrderID,ShipDate from sales.SalesOrderHeader where OrderDate between '7/28/2002' and '7/29/2014'
4
5 --2.    Display only Products(Production schema) with a StandardCost below $110.00 (show ProductID, Name only)
6
7 select ProductID,Name from Production.Product where StandardCost <110
8
9 --3.    Display ProductID, Name if its weight is unknown
10
11 select ProductID,Name from Production.Product where Weight is null
12
13
14
15
16
17
18
19
```

100 %

Results Messages

	ProductID	Name
1	1	Adjustable Race
2	2	Bearing Ball
3	3	BB Ball Bearing
4	4	Headset Ball Bearings
5	316	Blade
6	317	LL Crankarm
7	318	ML Crankarm
8	319	HL Crankarm
9	320	Chainring Bolts
10	321	Chainring Nut
11	322	Chainring
12	323	Crown Race
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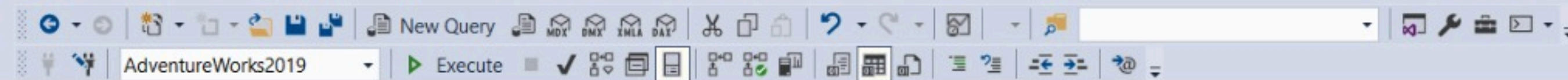
```
3 select SalesOrderID,ShipDate from sales.SalesOrderHeader where OrderDate between '7/28/2002' and '7/29/2014'
4
5 --2.    Display only Products(Production schema) with a StandardCost below $110.00 (show ProductID, Name only)
6
7 select ProductID,Name from Production.Product where StandardCost <110
8
9 --3.    Display ProductID, Name if its weight is unknown
10
11 select ProductID,Name from Production.Product where Weight is null
12
13 --4.    Display all Products with a Silver, Black, or Red Color
14
15 select * from Production.Product where Color in ('Silver' , 'Black' , 'Red Color')
16
17
18
19
20
```

100 %

Results Messages

	ProductID	Name	ProductNumber	MakeFlag	FinishedGoodsFlag	Color	SafetyStockLevel	ReorderPoint	StandardCost	ListPrice	Size	SizeUnitMeasureCode	WeightUnitMeasureCode	Weight	DaysToManufacture	F
1	317	LL Crankarm	CA-5965	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0	F
2	318	ML Crankarm	CA-6738	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0	F
3	319	HL Crankarm	CA-7457	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0	F
4	320	Chainring Bolts	CB-2903	0	0	Silver	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0	F
5	321	Chainring Nut	CN-6137	0	0	Silver	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0	F
6	322	Chainring	CR-7833	0	0	Black	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0	F
7	332	Freewheel	FH-2981	0	0	Silver	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0	F
8	351	Front Derailleur Cage	FC-3982	0	0	Silver	800	600	0.00	0.00	NULL	NULL	NULL	NULL	0	F
9	352	Front Derailleur Linkage	FL-2301	0	0	Silver	800	600	0.00	0.00	NULL	NULL	NULL	NULL	0	F
10	461	Lock Ring	LR-2398	0	0	Silver	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0	F
11	679	Rear Derailleur Cage	RC-0291	0	0	Silver	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0	F
12	680	HL Road Frame - Black, 58	FR-R92B-58	1	1	Black	500	375	1059.31	1431.50	58	CM	LB	2.24	1	F
13	708	Sport-100 Helmet, Black	HL-U509	0	1	Black	4	3	13.0863	34.99	NULL	NULL	NULL	NULL	0	F
14	722	LL Road Frame - Black, 58	FR-R38B-58	1	1	Black	500	375	204.6251	337.22	58	CM	LB	2.46	1	F
15	723	LL Road Frame - Black, 60	FR-R38B-60	1	1	Black	500	375	204.6251	337.22	60	CM	LB	2.48	1	F

File Edit View Query Project Tools Window Help



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- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

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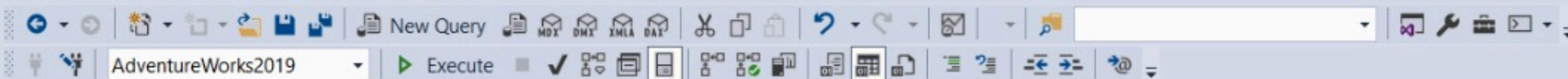
```
3 select SalesOrderID,ShipDate from sales.SalesOrderHeader where OrderDate between '7/28/2002' and '7/29/2014'
4
5 --2.    Display only Products(Production schema) with a StandardCost below $110.00 (show ProductID, Name only)
6
7 select ProductID,Name from Production.Product where StandardCost <110
8
9 --3.    Display ProductID, Name if its weight is unknown
10
11 select ProductID,Name from Production.Product where Weight is null
12
13 --4.    Display all Products with a Silver, Black, or Red Color
14
15 select * from Production.Product where Color in ('Silver' , 'Black' , 'Red Color')
16
17 --5.    Display any Product with a Name starting with the letter B
18
19 select * from Production.Product where Name like 'B%'
20
```

100 %

Results Messages

	ProductID	Name	ProductNumber	MakeFlag	FinishedGoodsFlag	Color	SafetyStockLevel	ReorderPoint	StandardCost	ListPrice	Size	SizeUnitMeasureCode	WeightUnitMeasureCode	Weight	DaysToManufacture	ProductL
1	3	BB Ball Bearing	BE-2349	1	0	NULL	800	600	0.00	0.00	NULL	NULL	NULL	NULL	1	NULL
2	2	Bearing Ball	BA-8327	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0	NULL
3	877	Bike Wash - Dissolver	CL-9009	0	1	NULL	4	3	2.9733	7.95	NULL	NULL	NULL	NULL	0	S
4	316	Blade	BL-2036	1	0	NULL	800	600	0.00	0.00	NULL	NULL	NULL	NULL	1	NULL

File Edit View Query Project Tools Window Help



Object Explorer

Connect

MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

SQLQuery2.sql - ME...orks2019 (sa (52))*

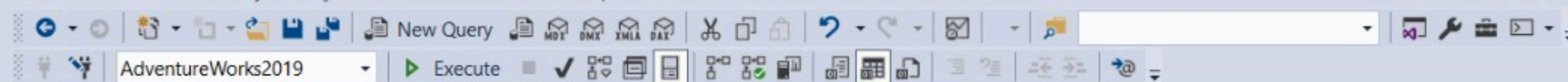
```
16
17 --5.    Display any Product with a Name starting with the letter B
18
19 select * from Production.Product where Name like 'B%'
20
21 --6.    Run the following Query **
22 --UPDATE Production.ProductDescription
23 --SET Description = 'Chromoly steel_High of defects'
24 --WHERE ProductDescriptionID = 3
25 --Then write a query that displays any Product description with underscore value in its description.
26
27 UPDATE Production.ProductDescription
28 SET Description = 'Chromoly steel_High of defects'
29 WHERE ProductDescriptionID = 3
30
31 select * from Production.ProductDescription where Description like '%[_]%'
32
33
```

100 %

Results Messages

	ProductDescriptionID	Description	rowguid	ModifiedDate
1	3	Chromoly steel_High of defects	301EED3A-1A82-4855-99CB-2AFE8290D641	2013-04-30 00:00:00.000

File Edit View Query Project Tools Window Help



Object Explorer

Connect

MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
- XEvent Profiler

SQLQuery2.sql - ME...orks2019 (sa (52))*

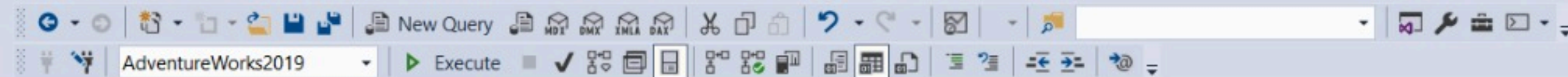
```
22 --UPDATE Production.ProductDescription
23 --SET Description = 'Chromoly steel_High of defects'
24 --WHERE ProductDescriptionID = 3
25 --Then write a query that displays any Product description with underscore value in its description.
26
27 UPDATE Production.ProductDescription
28 SET Description = 'Chromoly steel_High of defects'
29 WHERE ProductDescriptionID = 3
30
31 select * from Production.ProductDescription where Description like '%[_]%'
32
33 --7. Calculate sum of TotalDue for each OrderDate in Sales.SalesOrderHeader table for the period between '7/1/2001' and '7/31/2014' **
34
35 select sum(TotalDue) as sumTotalDue, orderdate from Sales.SalesOrderHeader where OrderDate between '7/1/2001' and '7/31/2014' group by OrderDate
36
37
38
```

100 %

Results Messages

	sumTotalDue	orderdate
1	21862.8284	2011-06-27 00:00:00.000
2	12634.4688	2011-09-06 00:00:00.000
3	19572.9426	2012-05-24 00:00:00.000
4	11540.4817	2012-08-03 00:00:00.000
5	23824.3309	2013-04-21 00:00:00.000
6	76549.1422	2014-03-19 00:00:00.000
7	16588.4572	2011-06-04 00:00:00.000
8	24299.4346	2011-09-29 00:00:00.000
9	44069.3766	2012-05-01 00:00:00.000
10	5540.0842	2012-08-26 00:00:00.000
11	18998.7867	2013-03-29 00:00:00.000
12	37655.2636	2013-07-24 00:00:00.000
13	68328.2849	2014-02-24 00:00:00.000
14	2015.4322	2014-06-21 00:00:00.000
15	54660.6054	2014-05-04 00:00:00.000
16	12088.609	2012-06-16 00:00:00.000
17	27777.3723	2013-05-14 00:00:00.000
18	66722.0012	2014-04-11 00:00:00.000

File Edit View Query Project Tools Window Help



Object Explorer

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MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

- Databases
 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
- Management
- Integration Services Catalogs
- SQL Server Agent
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SQLQuery2.sql - ME...orks2019 (sa (52))*

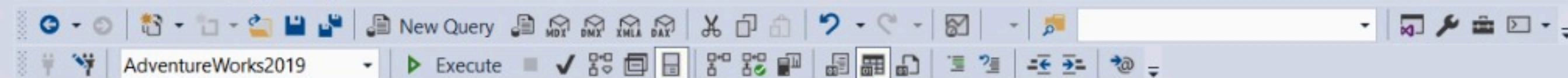
```
31 select * from Production.ProductDescription where Description like '%[_]%'
32
33 --7. Calculate sum of TotalDue for each OrderDate in Sales.SalesOrderHeader table for the period between '7/1/2001' and '7/31/2014' **
34
35 select sum(TotalDue) as sumTotalDue, orderdate from Sales.SalesOrderHeader where OrderDate between '7/1/2001' and '7/31/2014' group by OrderDate
36
37 --8. Display the Employees HireDate (note no repeated values are allowed)
38
39 select distinct(HireDate) from HumanResources.Employee
40
41 --9. Calculate the average of the unique ListPrices in the Product table
42
43 select avg(distinct(ListPrice)) as avgListPrice from Production.Product
44
45
46
47
```

100 %

Results Messages

	avgListPrice
1	437.4042

File Edit View Query Project Tools Window Help



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 - System Databases
 - Database Snapshots
 - AdventureWorks2019
 - Company_SD
 - data_test
 - HR
 - ITI
- Security
- Server Objects
- Replication
- Always On High Availability
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- SQL Server Agent
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```
32
33 --7. Calculate sum of TotalDue for each OrderDate in Sales.SalesOrderHeader table for the period between '7/1/2001' and '7/31/2014' **
34
35 select sum(TotalDue) as sumTotalDue, orderdate from Sales.SalesOrderHeader where OrderDate between '7/1/2001' and '7/31/2014' group by OrderDate
36
37 --8. Display the Employees HireDate (note no repeated values are allowed)
38
39 select distinct(HireDate) from HumanResources.Employee
40
41 --9. Calculate the average of the unique ListPrices in the Product table
42
43 select avg(distinct(ListPrice)) as avgListPrice from Production.Product
44
45 --10. Display the Product Name and its ListPrice within the values of 100 and 120 the list should has the following format
46 --"The [product name] is only! [List price]" (the list will be sorted according to its ListPrice value)
47 select 'The '+name+' is only ! '+convert(nvarchar(20),ListPrice) as ProductList from Production.Product where ListPrice in (100,120)
48
```

100 %

Results Messages

	ProductList
1	The Hitch Rack - 4-Bike is only! 120.00

SQLQuery2.sql - MENNAS-LAPTOP\MSSQLSERVER22.AdventureWorks2019 (sa (52))* - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Query Project Tools Window Help

AdventureWorks2019

Execute

Object Explorer

MENNAS-LAPTOP\MSSQLSERVER22 (SQL Server)

Databases

System Databases

Database Snapshots

AdventureWorks2019

Company_SD

data_test

HR

ITI

Security

Server Objects

Replication

Always On High Availability

Management

Integration Services Catalogs

SQL Server Agent

XEvent Profiler

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45

--10. Display the Product Name and its ListPrice within the values of 100 and 120 the list should has the following format

46 --"The [product name] is only! [List price]" (the list will be sorted according to its ListPrice value)

47 select 'The '+name+' is only ! '+convert(nvarchar(20),ListPrice) as ProductList from Production.Product where ListPrice in (100,120)

48

49 --11.

50 --a) Transfer the rowguid ,Name, SalesPersonID, Demographics from Sales.Store table in a newly created table named [store_Archive]

51 --Note: Check your database to see the new table and how many rows in it?

52 --b) Try the previous query but without transferring the data? **

53

54 select rowguid ,Name, SalesPersonID, Demographics into store_Archive

55 from Sales.Store

56

57 select rowguid ,Name, SalesPersonID, Demographics from store_Archive --701

58

59 select rowguid ,Name, SalesPersonID, Demographics into store_Archive

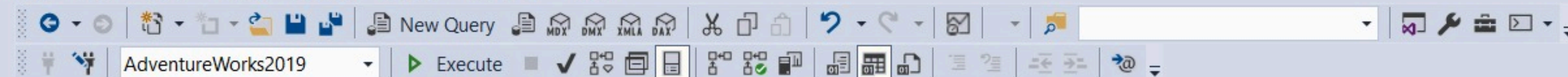
60 from Sales.Store where 1<>1

61





100 %

Results Messages

	rowguid	Name	SalesPersonID	Demographics
1	A22517E3-848D-4EBE-B9D9-7437F3432304	Next-Door Bike Store	279	<StoreSurvey xmlns="http://schemas.microsoft.com...
2	B50CA50B-C601-4A13-B07E-2C63862D71B4	Professional Sales and Service	276	<StoreSurvey xmlns="http://schemas.microsoft.com...
3	337C3688-1339-4E1A-A08A-B54B23566E49	Riders Company	277	<StoreSurvey xmlns="http://schemas.microsoft.com...
4	7894F278-F0C8-4D16-BD75-213FDBF13023	The Bike Mechanics	275	<StoreSurvey xmlns="http://schemas.microsoft.com...
5	C3FC9705-A8C4-4F3A-9550-EB2FA4B7B64D	Nationwide Supply	286	<StoreSurvey xmlns="http://schemas.microsoft.com...
6	368BE6DD-30E5-49BB-9A86-71FD49C58F4E	Area Bike Accessories	281	<StoreSurvey xmlns="http://schemas.microsoft.com...
7	35F40636-5105-49D5-869E-27E231189150	Bicycle Accessories and Kits	283	<StoreSurvey xmlns="http://schemas.microsoft.com...
8	64D06BFC-D060-405C-8C60-C067FE7C67DF	Clamps & Brackets Co.	275	<StoreSurvey xmlns="http://schemas.microsoft.com...
9	59386B0C-652E-4668-B44B-4E1711793330	Valley Bicycle Specialists	277	<StoreSurvey xmlns="http://schemas.microsoft.com...
10	47E4B6BD-5CD1-45A3-A231-79D930381C56	New Bikes Company	279	<StoreSurvey xmlns="http://schemas.microsoft.com...
11	DC610525-E373-49B1-B786-EA040EC25C06	Vinyl and Plastic Goods Corporation	282	<StoreSurvey xmlns="http://schemas.microsoft.com...
12	E290E93F-A980-4BA3-86C3-9858F15C8A6D	Top of the Line Bikes	288	<StoreSurvey xmlns="http://schemas.microsoft.com...
13	6CDCF941-4192-49C7-994A-5ADBA534E095	Fun Toys and Bikes	281	<StoreSurvey xmlns="http://schemas.microsoft.com...
14	956FBC35-5E0D-4175-8045-E0BE380BA340	Great Bikes	283	<StoreSurvey xmlns="http://schemas.microsoft.com...
15	0CB4FEF2-5047-40F7-8848-B59F7A3F3EEC	Metropolitan Sales and Rental	275	<StoreSurvey xmlns="http://schemas.microsoft.com...
16	CDE66279-83D8-4340-A83C-E86E15514AC4	Irregulars Outlet	288	<StoreSurvey xmlns="http://schemas.microsoft.com...
17	6A1BEA56-DCB7-45CF-8C92-3705E12EB2AA	Valley Toy Store	282	<StoreSurvey xmlns="http://schemas.microsoft.com...



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 - System Databases
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SQLQuery2.sql - ME...orks2019 (sa (52))*

```
61
62 --12. Using union statement, retrieve the today's date in different styles using convert or format funtion.
63
64 select format(getdate(),'MM/dd/yy') as today
65 union
66 select format(getdate(),'dddd')
67 union
68 select format(getdate(),'MM')
69 union
70 select format(getdate(),'yy')
71 union
72 select format(getdate(),'dddd-MM-yyyy')
```

100 %

Results Messages

	today
1	08
2	08/10/24
3	24
4	Saturday
5	Saturday-08-2024