

Lab 2: Basic Selects

1. Select all data from the Order Details table.

Ans: **SELECT** *
FROM "Order Details";

Lab 2_DBMS.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (62))

```
--1.Select all data from the Order Details table.
SELECT *
FROM "Order Details";
```

100 %

Results Messages

	OrderID	ProductID	UnitPrice	Quantity	Discount
1	10248	11	14.00	12	0
2	10248	42	9.80	10	0
3	10248	72	34.80	5	0
4	10249	14	18.60	9	0
5	10249	51	42.40	40	0
6	10250	41	7.70	10	0
7	10250	51	42.40	35	0.15
8	10250	65	16.80	15	0.15
9	10251	22	16.80	6	0.05
10	10251	57	15.60	15	0.05
11	10251	65	16.80	20	0
12	10252	20	64.80	40	0.05
13	10252	33	2.00	25	0.05
14	10252	60	27.20	40	0
15	10253	31	10.00	20	0
16	10253	39	14.40	42	0
17	10253	49	16.00	40	0
18	10254	24	3.60	15	0.15
19	10254	55	19.20	21	0.15
20	10254	74	8.00	21	0
21	10255	2	15.20	20	0
22	10255	16	13.90	35	0
23	10255	36	15.20	25	0
24	10255	59	44.00	30	0
25	10256	53	26.20	15	0
26	10256	77	10.40	12	0
27	10257	27	35.10	25	0

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (62) Northwind 00:00:00 2155 rows

2. Select all data from the Customers table, ordered by ContactName.

Ans: **SELECT** *
FROM Customers
ORDER BY ContactName;

Lab 2_DBMS.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (62))

```
SELECT *
FROM Customers
ORDER BY ContactName;
```

100 %

Results Messages

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City
1	ROMEY	Romero y tomillo	Alejandra Camino	Accounting Manager	Gran Vía, 1	Mad
2	MORGK	Morgenstern Gesundkost	Alexander Feuer	Marketing Assistant	Heerstr. 22	Leip
3	ANATR	Ana Trujillo Emparedados y helados	Ana Trujillo	Owner	Avda. de la Constitución 2222	Méx
4	TRADH	Tradição Hipermercados	Anabela Domingues	Sales Representative	Av. Inês de Castro, 414	Sao
5	GOURL	Gourmet Lanchonetes	André Fonseca	Sales Associate	Av. Brasil, 442	Car
6	EASTC	Eastern Connection	Ann Devon	Sales Agent	35 King George	Lon
7	LAMAI	La maison d'Asie	Annette Roulet	Sales Manager	1 rue Alsace-Lorraine	Toul
8	ANTON	Antonio Moreno Taquería	Antonio Moreno	Owner	Mataderos 2312	Méx
9	FAMIA	Familia Arquibaldo	Aria Cruz	Marketing Assistant	Rua Orós, 92	Sao
10	SPLIR	Split Rail Beer & Ale	Art Braunschweiler	Sales Manager	P.O. Box 555	Lanc
11	QUEDE	Que Delícia	Bernardo Batista	Accounting Manager	Rua da Panificadora, 12	Rio
12	FRANR	France restauration	Carine Schmitt	Marketing Manager	54, rue Royale	Nan
13	LILAS	LILA-Supermercado	Carlos González	Accounting Manager	Carrera 52 con Ave. Bolívar #65-98 Liano Largo	Barc
14	HILAA	HILARION-Abastos	Carlos Hernández	Sales Representative	Carrera 22 con Ave. Carlos Soublette #8-35	San
15	MAISD	Maison Dewey	Catherine Dewey	Sales Agent	Rue Joseph-Bens 532	Brus
16	BERGS	Berglunds snabbköp	Christina Berglund	Order Administrator	Berguvsvägen 8	Lule
17	LACOR	La corne d'abondance	Daniel Tonini	Sales Representative	67, avenue de l'Europe	Vers
18	FISSA	FISSA Fabrica Inter. Salchichas S.A.	Diego Roel	Accounting Manager	C/ Moralzarzal, 86	Mad
19	SPECD	Spécialités du monde	Dominique Perrier	Marketing Manager	25, rue Lauriston	Pari
20	GALED	Galería del gastrónomo	Eduardo Saavedra	Marketing Manager	Rambla de Cataluña, 23	Barc
21	CONSH	Consolidated Holdings	Elizabeth Brown	Sales Representative	Berkeley Gardens 12 Brewery	Lon
22	BOTTM	Bottom-Dollar Markets	Elizabeth Lincoln	Accounting Manager	23 Tsawassen Blvd.	Tsa
23	LINOD	LINO-Delicatesses	Felipe Izquierdo	Owner	Ave. 5 de Mayo Porlamar	I. de
24	LONEP	Lonesome Pine Restaurant	Fran Wilson	Sales Manager	89 Chiaroscuro Rd.	Port
25	CENTC	Centro comercial Moctezuma	Francisco Chang	Marketing Manager	Sierras de Granada 9993	Méx
26	BLONP	Blondesdssl père et fils	Frédérique Citeaux	Marketing Manager	24, place Kléber	Stra

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (62) Northwind 00:00:00 91 rows

3. Select all data from the Orders table, ordered by OrderDate, oldest date on top.

Ans: `SELECT *`
`FROM Orders`
`ORDER BY`
`CAST(OrderDate as DATETIME) ASC;`

SQLQuery1.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (72))*

```
SELECT *  
FROM Orders  
ORDER BY  
CAST(OrderDate as DATETIME) ASC;
```

100 %

Results Messages

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName
1	10248	VINET	5	1996-07-04 00:00:00.000	1996-08-01 00:00:00.000	1996-07-16 00:00:00.000	3	32.38	Vins et alcools
2	10249	TOMSP	6	1996-07-05 00:00:00.000	1996-08-16 00:00:00.000	1996-07-10 00:00:00.000	1	11.61	Toms Spezial
3	10250	HANAR	4	1996-07-08 00:00:00.000	1996-08-05 00:00:00.000	1996-07-12 00:00:00.000	2	65.83	Hanari Carnes
4	10251	VICTE	3	1996-07-08 00:00:00.000	1996-08-05 00:00:00.000	1996-07-15 00:00:00.000	1	41.34	Victuailles en
5	10252	SUPRD	4	1996-07-09 00:00:00.000	1996-08-06 00:00:00.000	1996-07-11 00:00:00.000	2	51.30	Suprêmes dél
6	10253	HANAR	3	1996-07-10 00:00:00.000	1996-07-24 00:00:00.000	1996-07-16 00:00:00.000	2	58.17	Hanari Carnes
7	10254	CHOPS	5	1996-07-11 00:00:00.000	1996-08-08 00:00:00.000	1996-07-23 00:00:00.000	2	22.98	Chop-suey Ch
8	10255	RICSU	9	1996-07-12 00:00:00.000	1996-08-09 00:00:00.000	1996-07-15 00:00:00.000	3	148.33	Richter Super
9	10256	WELLI	3	1996-07-15 00:00:00.000	1996-08-12 00:00:00.000	1996-07-17 00:00:00.000	2	13.97	Wellington Im
10	10257	HILAA	4	1996-07-16 00:00:00.000	1996-08-13 00:00:00.000	1996-07-22 00:00:00.000	3	81.91	HILARION-Ab
11	10258	ERNSH	1	1996-07-17 00:00:00.000	1996-08-14 00:00:00.000	1996-07-23 00:00:00.000	1	140.51	Ernst Handel
12	10259	CENTC	4	1996-07-18 00:00:00.000	1996-08-15 00:00:00.000	1996-07-25 00:00:00.000	3	3.25	Centro comerc
13	10260	OTTIK	4	1996-07-19 00:00:00.000	1996-08-16 00:00:00.000	1996-07-29 00:00:00.000	1	55.09	Ottilies Käse
14	10261	QUEDE	4	1996-07-19 00:00:00.000	1996-08-16 00:00:00.000	1996-07-30 00:00:00.000	2	3.05	Que Delicia
15	10262	RATTC	8	1996-07-22 00:00:00.000	1996-08-19 00:00:00.000	1996-07-25 00:00:00.000	3	48.29	Rattlesnake C
16	10263	ERNSH	9	1996-07-23 00:00:00.000	1996-08-20 00:00:00.000	1996-07-31 00:00:00.000	3	146.06	Ernst Handel
17	10264	FOLKO	6	1996-07-24 00:00:00.000	1996-08-21 00:00:00.000	1996-08-23 00:00:00.000	3	3.67	Folk och få HE
18	10265	BLONP	2	1996-07-25 00:00:00.000	1996-08-22 00:00:00.000	1996-08-12 00:00:00.000	1	55.28	Blondel père e
19	10266	WARTH	3	1996-07-26 00:00:00.000	1996-09-06 00:00:00.000	1996-07-31 00:00:00.000	3	25.73	Wartian Herkk
20	10267	FRANK	4	1996-07-29 00:00:00.000	1996-08-26 00:00:00.000	1996-08-06 00:00:00.000	1	208.58	Frankenversa
21	10268	GROSR	8	1996-07-30 00:00:00.000	1996-08-27 00:00:00.000	1996-08-02 00:00:00.000	3	66.29	GROSELLA-R
22	10269	WHITC	5	1996-07-31 00:00:00.000	1996-08-14 00:00:00.000	1996-08-09 00:00:00.000	1	4.56	White Clover I
23	10270	WARTH	1	1996-08-01 00:00:00.000	1996-08-29 00:00:00.000	1996-08-02 00:00:00.000	1	136.54	Wartian Herkk
24	10271	SPLIR	6	1996-08-01 00:00:00.000	1996-08-29 00:00:00.000	1996-08-30 00:00:00.000	2	4.54	Split Rail Beer

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (72) Northwind 00:00:00 830 rows

4. Select all data from the Orders table, ordered by ShippedDate, newest date on top.

Ans: `SELECT *`
`FROM Orders`
`ORDER BY`
`CAST(ShippedDate as DATETIME) DESC;`

SQLQuery1.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (72))*

```
SELECT *
FROM Orders
ORDER BY
CAST(ShippedDate as DATETIME) DESC;
```

100 %

Results Messages

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName
1	11069	TORTU	1	1998-05-04 00:00:00.000	1998-06-01 00:00:00.000	1998-05-06 00:00:00.000	2	15.67	Tortuga Resta
2	11063	HUNGO	3	1998-04-30 00:00:00.000	1998-05-28 00:00:00.000	1998-05-06 00:00:00.000	2	81.73	Hungry Owl Al
3	11067	DRACD	1	1998-05-04 00:00:00.000	1998-05-18 00:00:00.000	1998-05-06 00:00:00.000	2	7.98	Drachenblut D
4	11050	FOLKO	8	1998-04-27 00:00:00.000	1998-05-25 00:00:00.000	1998-05-05 00:00:00.000	2	59.41	Folk och få HE
5	11055	HILAA	7	1998-04-28 00:00:00.000	1998-05-26 00:00:00.000	1998-05-05 00:00:00.000	2	120.92	HILARION-Abi
6	11060	FRANS	2	1998-04-30 00:00:00.000	1998-05-28 00:00:00.000	1998-05-04 00:00:00.000	2	10.98	Franchi S.p.A.
7	11049	GOURL	3	1998-04-24 00:00:00.000	1998-05-22 00:00:00.000	1998-05-04 00:00:00.000	1	8.34	Gourmet Lanc
8	11064	SAVEA	1	1998-05-01 00:00:00.000	1998-05-29 00:00:00.000	1998-05-04 00:00:00.000	1	30.09	Save-a-lot Ma
9	11066	WHITC	7	1998-05-01 00:00:00.000	1998-05-29 00:00:00.000	1998-05-04 00:00:00.000	2	44.72	White Clover I
10	11022	HANAR	9	1998-04-14 00:00:00.000	1998-05-12 00:00:00.000	1998-05-04 00:00:00.000	2	6.27	Hanari Carnes
11	11042	COMMI	2	1998-04-22 00:00:00.000	1998-05-06 00:00:00.000	1998-05-01 00:00:00.000	1	29.99	Comércio Min
12	11044	WOLZA	4	1998-04-23 00:00:00.000	1998-05-21 00:00:00.000	1998-05-01 00:00:00.000	1	8.72	Wolski Zajazd
13	11047	EASTC	7	1998-04-24 00:00:00.000	1998-05-22 00:00:00.000	1998-05-01 00:00:00.000	3	46.62	Eastern Conne
14	11052	HANAR	3	1998-04-27 00:00:00.000	1998-05-25 00:00:00.000	1998-05-01 00:00:00.000	1	67.26	Hanari Carnes
15	11056	EASTC	8	1998-04-28 00:00:00.000	1998-05-12 00:00:00.000	1998-05-01 00:00:00.000	2	278.96	Eastern Conne
16	11057	NORTS	3	1998-04-29 00:00:00.000	1998-05-27 00:00:00.000	1998-05-01 00:00:00.000	3	4.13	North/South
17	11048	BOTTM	7	1998-04-24 00:00:00.000	1998-05-22 00:00:00.000	1998-04-30 00:00:00.000	3	24.12	Bottom-Dollar
18	11038	SUPRD	1	1998-04-21 00:00:00.000	1998-05-19 00:00:00.000	1998-04-30 00:00:00.000	2	29.59	Suprêmes déli
19	11043	SPECD	5	1998-04-22 00:00:00.000	1998-05-20 00:00:00.000	1998-04-29 00:00:00.000	2	8.80	Spécialités du
20	11053	PICCO	2	1998-04-27 00:00:00.000	1998-05-25 00:00:00.000	1998-04-29 00:00:00.000	2	53.05	Piccolo und m
21	11041	CHOPS	3	1998-04-22 00:00:00.000	1998-05-20 00:00:00.000	1998-04-28 00:00:00.000	2	48.22	Chop-suey Ch
22	11026	FRANS	4	1998-04-15 00:00:00.000	1998-05-13 00:00:00.000	1998-04-28 00:00:00.000	1	47.09	Franchi S.p.A.
23	11029	CHOPS	4	1998-04-16 00:00:00.000	1998-05-14 00:00:00.000	1998-04-27 00:00:00.000	1	47.84	Chop-suey Ch
24	11030	SAVEA	7	1998-04-17 00:00:00.000	1998-05-15 00:00:00.000	1998-04-27 00:00:00.000	2	830.75	Save-a-lot Ma

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (72) Northwind 00:00:00 830 rows

5. Select all data from the Orders table, where order has not shipped yet (ShippedDate is null).

Ans: `SELECT *`
`FROM Orders`
`WHERE ShippedDate IS NULL;`

SQLQuery1.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (57))*

```
SELECT *
FROM Orders
WHERE ShippedDate IS NULL;
```

100 %

Results Messages

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName
1	11008	ERNSH	7	1998-04-08 00:00:00.000	1998-05-06 00:00:00.000	NULL	3	79.46	Ernst Handel
2	11019	RANCH	6	1998-04-13 00:00:00.000	1998-05-11 00:00:00.000	NULL	3	3.17	Rancho grande
3	11039	LINOD	1	1998-04-21 00:00:00.000	1998-05-19 00:00:00.000	NULL	2	65.00	LINO-Delicatesses
4	11040	GREAL	4	1998-04-22 00:00:00.000	1998-05-20 00:00:00.000	NULL	3	18.84	Great Lakes Food Market
5	11045	BOTTM	6	1998-04-23 00:00:00.000	1998-05-21 00:00:00.000	NULL	2	70.58	Bottom-Dollar Markets
6	11051	LAMAI	7	1998-04-27 00:00:00.000	1998-05-25 00:00:00.000	NULL	3	2.79	La maison d'Asie
7	11054	CACTU	8	1998-04-28 00:00:00.000	1998-05-26 00:00:00.000	NULL	1	0.33	Cactus Comidas para llevar
8	11058	BLAUS	9	1998-04-29 00:00:00.000	1998-05-27 00:00:00.000	NULL	3	31.14	Blauer See Delikatessen
9	11059	RICAR	2	1998-04-29 00:00:00.000	1998-06-10 00:00:00.000	NULL	2	85.80	Ricardo Adocicados
10	11061	GREAL	4	1998-04-30 00:00:00.000	1998-06-11 00:00:00.000	NULL	3	14.01	Great Lakes Food Market
11	11062	REGGC	4	1998-04-30 00:00:00.000	1998-05-28 00:00:00.000	NULL	2	29.93	Reggiani Caseifici
12	11065	LILAS	8	1998-05-01 00:00:00.000	1998-05-29 00:00:00.000	NULL	1	12.91	LILA-Supermercado
13	11068	QUEEN	8	1998-05-04 00:00:00.000	1998-06-01 00:00:00.000	NULL	2	81.75	Queen Cozinha
14	11070	LEHMS	2	1998-05-05 00:00:00.000	1998-06-02 00:00:00.000	NULL	1	136.00	Lehmanns Marktstand
15	11071	LILAS	1	1998-05-05 00:00:00.000	1998-06-02 00:00:00.000	NULL	1	0.93	LILA-Supermercado
16	11072	ERNSH	4	1998-05-05 00:00:00.000	1998-06-02 00:00:00.000	NULL	2	258.64	Ernst Handel
17	11073	PERIC	2	1998-05-05 00:00:00.000	1998-06-02 00:00:00.000	NULL	2	24.95	Pericles Comidas clásicas
18	11074	SIMOB	7	1998-05-06 00:00:00.000	1998-06-03 00:00:00.000	NULL	2	18.44	Simons bistro
19	11075	RICSU	8	1998-05-06 00:00:00.000	1998-06-03 00:00:00.000	NULL	2	6.19	Richter Supermarkt
20	11076	BONAP	4	1998-05-06 00:00:00.000	1998-06-03 00:00:00.000	NULL	2	38.28	Bon app'

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (57) Northwind 00:00:00 21 rows

6. Select CompanyName, ContactName and ContactTitle from the Customers table, where Company Name starts with D.

Ans: `SELECT CompanyName, ContactName, ContactTitle`
`FROM Customers`
`WHERE CompanyName LIKE 'D%';`

Lab 2_DBMS.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (62))

```
--6.Select CompanyName, ContactName and ContactTitle from the Customers table, where Company
SELECT CompanyName, ContactName, ContactTitle
FROM Customers
WHERE CompanyName LIKE 'D%';
```

100 %

Results Messages

	CompanyName	ContactName	ContactTitle
1	Drachenblut Delikatessen	Sven Ottlieb	Order Administrator
2	Du monde entier	Janine Labrune	Owner
3	Die Wandernde Kuh	Rita Müller	Sales Representative

Query executed successfully. LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (62) Northwind 00:00:00 3 rows

7. Select EmployeeID, FirstName, LastName and Title from the Employees table, where last name starts with D, E or F.

Ans:

```
SELECT EmployeeID, FirstName, LastName, Title
FROM Employees
WHERE LastName Like '[DEF]%';
```

The screenshot shows a SQL Server window titled "Lab 2_DBMS.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (62))*". The query editor contains the following SQL code:

```
--7. Select EmployeeID, FirstName, LastName and Title from the Employees table, where last r
SELECT EmployeeID, FirstName, LastName, Title
FROM Employees
WHERE LastName Like '[DEF]%';
```

The "Results" tab is selected, displaying a table with 3 rows and 5 columns: EmployeeID, FirstName, LastName, and Title. The data is as follows:

	EmployeeID	FirstName	LastName	Title
1	1	Nancy	Davolio	Sales Representative
2	2	Andrew	Fuller	Vice President, Sales
3	9	Anne	Dodsworth	Sales Representative

The status bar at the bottom indicates "Query executed successfully." and "LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (62) Northwind 00:00:00 3 rows".

8. Select number of records from the Suppliers table. => Result should be a single cell containing a single number (however many digits is appropriate).

Ans:

```
SELECT COUNT(*)
FROM Suppliers;
```

The screenshot shows a SQL Server window titled "SQLQuery1.sql - LCS-VC-MSSQL-01.ad.syr.edu.Northwind (nwUser (59))*". The query editor contains the following SQL code:

```
SELECT COUNT(*)
FROM Suppliers;
```

The "Results" tab is selected, displaying a single cell with the value 29. The column header is "(No column name)".

	(No column name)
1	29

The status bar at the bottom indicates "Query executed succ..." and "LCS-VC-MSSQL-01.ad.syr.edu ... nwUser (59) Northwind 00:00:00 1 rows".