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 ITS312: Database Designs
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Week 3: More Data Modeling and Introduction to SQL

1. Select the customer name, their city, state, country, and market.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL query:

```
SELECT [Customer Name]
      ,[City]
      ,[State]
      ,[Country]
      ,[Market]
FROM [TestSQL].[dbo].[Orders]
```

The results pane displays the following data:

Customer Name	City	State	Country	Market
1 Sean O'Donnell	Monterrey	Nuevo León	Mexico	LATAM
2 Noel Staavos	Mixco	Guatemala	Guatemala	LATAM
3 Keith Dawkins	Ipoh	Perak	Malaysia	APAC
4 Charles McCrossin	San Francisco	California	United States	US
5 Bary Französisch	Ferrara	Emilia-Romagna	Italy	EU
6 George Zrebassa	Palaiseau	Ile-de-France	France	EU
7 Rob Dowd	Gateshead	England	United Kingdom	EU
8 Jim Karlsson	Kinshasa	Kinshasa	Democratic Republic of the Congo	Africa
9 Maureen Gastineau	Geelong	Victoria	Australia	APAC
10 Darren Budd	Saint-Louis	Alsace	France	EU

The status bar at the bottom indicates: Query executed successfully. | sql-nyack-it.c0rcyl52qjwv.u... | maria (69) | TestSQL | 00:00:00 | 51,290 rows

2. Using the same query, sort it by country in descending order.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
SELECT [Customer Name]
, [City]
, [State]
, [Country]
, [Market]
FROM [TestSQL].[dbo].[Orders]
ORDER BY Country DESC
```

The Results pane displays the following data:

	Customer Name	City	State	Country	Market
1	Lena Creighton	Harare	Harare	Zimbabwe	Africa
2	Duane Noonan	Chitungwiza	Harare	Zimbabwe	Africa
3	Duane Noonan	Chitungwiza	Harare	Zimbabwe	Africa
4	Julia Barnett	Bulawayo	Bulawayo	Zimbabwe	Africa
5	Beth Thompson	Bulawayo	Bulawayo	Zimbabwe	Africa
6	Anna Haberlin	Bulawayo	Bulawayo	Zimbabwe	Africa
7	Benjamin Farhat	Bulawayo	Bulawayo	Zimbabwe	Africa
8	Bill Tyler	Chitungwiza	Harare	Zimbabwe	Africa
9	Lena Creighton	Harare	Harare	Zimbabwe	Africa
10	Duane Noonan	Chitungwiza	Harare	Zimbabwe	Africa

The status bar at the bottom indicates: Query executed successfully. sql-nyack-it.c0rcy152qjwv.u... maria (69) TestSQL 00:00:00 51,290 rows

3. Select all columns without naming them.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
SELECT *
FROM [TestSQL].[dbo].[Orders]
```

The Results pane displays the following data:

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	Country	Postal Code	Market	
1	8439	MX-2011-145884	2011-06-17 00:00:00.000	2011-06-19 00:00:00.000	Second Class	SO-20335	Sean O'Donnell	Consumer	Monterrey	Nuevo León	Mexico	NULL	Lf
2	6618	MX-2012-114104	2012-08-06 00:00:00.000	2012-08-09 00:00:00.000	Second Class	NS-18640	Noel Staavos	Corporate	Mixco	Guatemala	Guatemala	NULL	Lf
3	20803	IN-2014-33666	2014-06-04 00:00:00.000	2014-06-08 00:00:00.000	Standard Class	KD-16495	Keith Dawkins	Corporate	Ipoh	Perak	Malaysia	NULL	Af
4	35067	CA-2013-155530	2013-12-18 00:00:00.000	2013-12-22 00:00:00.000	Standard Class	CM-12160	Charles McCrossin	Consumer	San Francisco	California	United States	94122	U:
5	14357	ES-2012-1242181	2012-12-25 00:00:00.000	2012-12-27 00:00:00.000	First Class	BF-11020	Barry Französisch	Corporate	Ferrara	Emilia-Romagna	Italy	NULL	EI
6	19381	ES-2014-2509408	2014-08-13 00:00:00.000	2014-08-19 00:00:00.000	Standard Class	GZ-14545	George Zrebassa	Corporate	Palaiseau	Ile-de-France	France	NULL	EI
7	19316	ES-2012-3412393	2012-03-15 00:00:00.000	2012-03-22 00:00:00.000	Standard Class	RD-19585	Rob Dowd	Consumer	Gateshead	England	United Kingdom	NULL	EI
8	50189	CG-2013-9870	2013-11-06 00:00:00.000	2013-11-11 00:00:00.000	Standard Class	JK-5625	Jim Karlsson	Consumer	Kinshasa	Kinshasa	Democratic Republic of the Congo	NULL	Af
9	31262	ID-2013-80433	2013-05-27 00:00:00.000	2013-06-01 00:00:00.000	Standard Class	MG-17680	Maureen Gastineau	Home Office	Geelong	Victoria	Australia	NULL	Af

The status bar at the bottom indicates: Query executed successfully. sql-nyack-it.c0rcy152qjwv.u... maria (69) TestSQL 00:00:01 51,290 rows

4. Select all columns without naming them but show only those that shipped first class.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL statement:

```
SELECT *
FROM [TestSQL].[dbo].[Orders]
WHERE [Ship Mode] = 'First Class'
```

The Results pane displays the following data:

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	City	State	Country	Postal Code	Market	Region
1	14357	ES-2012-1242181	2012-12-25 00:00:00.000	2012-12-27 00:00:00.000	BF-11020	Bary Französisch	Corporate	Ferrara	Emilia-Romagna	Italy	NULL	EU	South
2	3819	MX-2012-133165	2012-11-02 00:00:00.000	2012-11-04 00:00:00.000	PC-18745	Pamela Coakley	Corporate	Santiago de Cuba	Santiago de Cuba	Cuba	NULL	LATAM	Caribbean
3	4993	MX-2011-136476	2011-11-14 00:00:00.000	2011-11-15 00:00:00.000	RA-19915	Russell Applegate	Consumer	Itamaraju	Bahia	Brazil	NULL	LATAM	South
4	22532	IN-2011-75673	2011-08-01 00:00:00.000	2011-08-02 00:00:00.000	MT-17815	Meg Tillman	Consumer	Shanghai	Shanghai	China	NULL	APAC	North Asia
5	42900	CA-2013-170	2013-09-02 00:00:00.000	2013-09-04 00:00:00.000	CC-2220	Chris Cortes	Consumer	Toronto	Ontario	Canada	NULL	Canada	Canada
6	11501	ES-2012-4306010	2012-02-23 00:00:00.000	2012-02-25 00:00:00.000	PB-19210	Philip Breyer	Corporate	Coventry	England	United Kingdom	NULL	EU	North
7	42098	EG-2012-6980	2012-11-28 00:00:00.000	2012-11-30 00:00:00.000	KL-6555	Kelly Lampkin	Corporate	Hurghada	Al Bahr Al Ahmar	Egypt	NULL	Africa	Africa
8	11769	ES-2014-4397869	2014-02-07 00:00:00.000	2014-02-08 00:00:00.000	TS-21505	Tony Sayre	Consumer	Toul	Lorraine	France	NULL	EU	Central
9	51126	TZ-2011-5130	2011-01-18 00:00:00.000	2011-01-21 00:00:00.000	CS-2175	Charles Sheldon	Corporate	Arusha	Arusha	Tanzania	NULL	Africa	Africa

The status bar at the bottom indicates: Query executed successfully. sql-nyack-it.c0rcyl52qivw.u... | maria (69) | TestSQL | 00:00:00 | 7,505 rows

5. Using the select statement show the unique markets.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL statement:

```
SELECT DISTINCT [Market]
FROM [TestSQL].[dbo].[Orders]
```

The Results pane displays the following data:

Market	
1	EU
2	EMEA
3	Africa
4	LATAM
5	Canada
6	APAC
7	US

The status bar at the bottom indicates: Query executed successfully. sql-nyack-it.c0rcyl52qivw.u... | maria (69) | TestSQL | 00:00:00 | 7 rows