```sql
/* 1. Count the number of records in the table */
select count(*) from customers
```

	(No column name)
1	51

```sql
/* 2. Select everything from the Customers table */
select * from Customers
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email
1	1002	Ania Irvin	PO Box 96621	Washington	DC	20090	(301) 555-8950	ania@mma.nidc.com
2	1004	Kenzie Quinn	1990 Westwood Blvd Ste 260	Los Angeles	CA	90025	(800) 555-8725	kenzie@mma.jobtrak.com
3	1006	Anton Mauro	3255 Ramos Cir	Sacramento	CA	95827	(916) 555-6670	amauro@mma.ccc.org
4	1008	Kaitlyn Anthoni	Box 52001	San Francisco	CA	94152	(800) 555-6081	kanthoni@mma.pge.com
5	1010	Kendall Mayte	PO Box 2069	Fresno	CA	93718	(559) 555-9999	kmayte@mma.fresno.ca.gov
6	1012	Marvin Quintin	4420 N. First Street, Suite 108	Fresno	CA	93726	(559) 555-9586	marvin@mma.expedata.com
7	1015	Gonzalo Keeton	27371 Valderas	Mission Viejo	CA	92691	(214) 555-3647	
8	1016	Derek Chaddick	1952 "H" Street	Fresno	CA	93718	(559) 555-3005	dChaddick@mma.fresnophoto.com
9	1017	Malia Marques	7700 Forsyth	St Louis	MO	63105	(314) 555-8834	malia@mma.TheLibraryLtd.com
10	1018	Emily Evan	1555 W Lane Ave	Columbus	OH	43221	(614) 555-4435	Emily@mma.MicroCenter.com
11	1019	Alexandro Alexis	3711 W Franklin	Fresno	CA	93706	(559) 555-2993	alal@mma.yaleindustries.com
12	1023	Ingrid Neil	12 Daniel Road	Fairfield	NJ	07004	(201) 555-9742	Ingrid@mma.richadvertizing.com
13	1026	Eileen Lawrence	1483 Chain Bridge Rd, Ste 202	Mclean	VA	22101	(770) 555-9558	eLawrence@mma.ecomm.com
14	1027	Marjorie Essence	PO Box 31	East Brunswick	NJ	08810	(800) 555-8110	messence@mma.rrbowker.com
15	1029	Trentin Camron	PO Box 61000	San Francisco	CA	94161	(800) 555-4426	tCamron@mma.ibm.com
16	1030	Demetrius Hunter	PO Box 956	Selma	CA	93662	(559) 555-1534	demetrius@mma.termite.com
17	1033	Thalia Neftaly	60 Madison Ave	New York	NY	10010	(212) 555-4800	tneftaly@mma.venture.com
18	1034	Harley Myles	PO Box 7028	St Louis	MO	63177	(301) 555-1494	harley@mma.cprinting.com
19	1037	Gideon Paris	1033 N Sycamore Ave.	Los Angeles	CA	90038	(213) 555-4322	gideon@mma.opamp.com
20	1038	Jayda Maxwell	PO Box 39046	Minneapolis	MN	55439	(612) 555-0057	jmaxwell@mma.ccredit.com
21	1040	Kristofer Gerald	PO Box 40513	Jacksonville	FL	32231	(800) 555-6041	kgerald@mma.naylorpub.com
22	1045	Priscilla Carrollton	Box 1979	Marion	OH	43305	(800) 555-1669	pcarrollton@mma.pw.com
23	1047	Brian Griffin	1150 N Tustin Ave	Anaheim	CA	92807	(714) 555-9000	bgriffin@mma.azteklabel.com
24	1049	Kaylea Cheyenne	2384 E Gettysburg	Fresno	CA	93726	(559) 555-0765	kaylea@mma.phphoto.com
25	1050	Kayle Misael	PO Box 95857	Chicago	IL	60694	(800) 555-5811	misael@mma.qualityeducation.com
26	1051	Clarence Maeve	PO Box 7247-7051	Philadelphia	PA	19170	(215) 555-8700	cmaeve@mma.springhouse.com
27	1054	Jovon Walker	627 Aviation Way	Manhatttan B...	CA	90266	(310) 555-2732	jovon@mma.ama.org
28	1056	Nashalie Angeli...	828 S Broadway	Tarrytown	NY	10591	(800) 555-0037	nangelica@mma.aba.org
29	1063	Leroy Aryn	3502 W Greenway #7	Phoenix	AZ	85023	(602) 547-0331	laryn@mma.computerliteracy.com
30	1065	Anne Braydon	PO Box 942	Fresno	CA	93714	(559) 555-7900	anne@mma.fcb.com
31	1066	Leah Colton	1626 E Street	Fresno	CA	93786	(559) 555-4442	lcolton@mma.fresnobee.com
32	1067	Cesar Arodondo	4545 Glenmeade Lane	Auburn Hills	MI	48326	(810) 555-3700	arododo@mma.drc.com
33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	CA	93710	(559) 555-1704	rdanielson@mma.eop.com

33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	CA	93710	(559) 555-1704	rdanielson@mma.eop.com
34	1070	Salina Edgardo	6435 North Palm Ave, Ste 101	Fresno	CA	93704	(559) 555-7070	sadgardo@mma.rpc.com
35	1071	Daniel Bradlee	4 Cornwall Dr Ste 102	East Brunswick	NJ	08816	(908) 555-7222	dbradlee@mma.simondirect.com
36	1074	Quentin Warren	PO Box 12332	Fresno	CA	93777	(559) 555-3112	quentin@mma.valprint.com
37	1080	Jillian Clifford	3250 Spring Grove Ave	Cincinnati	OH	45225	(800) 555-1957	jillian@mma.champion.com
38	1081	Angel Lloyd	Department #1872	San Francisco	CA	94161	(617) 555-0700	alloyd@mma.cw.com
39	1083	Jeanette Helena	4775 E Miami River Rd	Cleves	OH	45002	(513) 555-3043	jhelena@mma.eds.com
40	1086	Luciano Destin	P O Box 7126	Pasadena	CA	91109	(800) 555-7009	ldestin@mma.mwp.com
41	1089	Kyra Francis	4150 W Shaw Ave	Fresno	CA	93722	(559) 555-8300	kyra@mma.abbey.com
42	1094	Lance Potter	28210 N Avenue Stanford	Valencia	CA	91355	(805) 555-0584	lpotter@mma.bis.com
43	1097	Jeffrey Smitzen	PO Box 1091	Fresno	CA	93714	(559) 555-8700	jeffrey@mma.coffee.com
44	1098	Vance Johnson	9 River Pk Pl E 400	Boston	MA	02134	(508) 555-8737	vjohnson@mma.dwr.com
45	1100	Thom Aaronsen	7112 N Fresno St Ste 200	Fresno	CA	93720	(559) 555-8484	taaronsen@mma.dgm.com
46	1112	Harold Spivak	2874 S Cherry Ave	Fresno	CA	93706	(559) 555-2770	harold@mma.propane.com
47	1113	Rachael Bluzin...	P.O. Box 860070	Pasadena	CA	91186	(415) 555-7600	rachael@mma.unocal.com
48	1114	Reba Hernandez	PO Box 2061	Fresno	CA	93718	(559) 555-0600	rhernandez@mma.yesmed.com
49	1116	Jaime Ronaldsen	3467 W Shaw Ave #103	Fresno	CA	93711	(559) 555-8625	jronaldsen@mma.zylka.com
50	1117	Violet Beaureg...	P.O. Box 505820	Reno	NV	88905	(800) 555-0855	vbeauregard@mma.ups.com
51	1118	Charlie Bucket	P.O. Box 1140	Memphis	TN	38101	(800) 555-4091	cbucket@mma.fedex.com

```sql
/* 3. Select everything from the Customers table for California, sort by zipcode  */
select * from Customers where State ='ca' order by ZipCode
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email
1	1004	Kenzie Quinn	1990 Westwood Blvd Ste 260	Los Angeles	CA	90025	(800) 555-8725	kenzie@mma.jobtrak.com
2	1037	Gideon Paris	1033 N Sycamore Ave.	Los Angeles	CA	90038	(213) 555-4322	gideon@mma.opamp.com
3	1054	Jovon Walker	627 Aviation Way	Manhatttan Beach	CA	90266	(310) 555-2732	jovon@mma.ama.org
4	1086	Luciano Destin	P O Box 7126	Pasadena	CA	91109	(800) 555-7009	ldestin@mma.mwp.com
5	1113	Rachael Bluzinski	P.O. Box 860070	Pasadena	CA	91186	(415) 555-7600	rachael@mma.unocal.com
6	1094	Lance Potter	28210 N Avenue Stanford	Valencia	CA	91355	(805) 555-0584	lpotter@mma.bis.com
7	1015	Gonzalo Keeton	27371 Valderas	Mission Viejo	CA	92691	(214) 555-3647	
8	1047	Brian Griffin	1150 N Tustin Ave	Anaheim	CA	92807	(714) 555-9000	bgriffin@mma.azteklabel.com
9	1030	Demetrius Hunter	PO Box 956	Selma	CA	93662	(559) 555-1534	demetrius@mma.termite.com
10	1070	Salina Edgardo	6435 North Palm Ave, Ste 101	Fresno	CA	93704	(559) 555-7070	sadgardo@mma.rpc.com
11	1019	Alexandro Alexis	3711 W Franklin	Fresno	CA	93706	(559) 555-2993	alal@mma.yaleindustries.com
12	1112	Harold Spivak	2874 S Cherry Ave	Fresno	CA	93706	(559) 555-2770	harold@mma.propane.com
13	1068	Rachael Danielson	353 E Shaw Ave	Fresno	CA	93710	(559) 555-1704	rdanielson@mma.eop.com
14	1116	Jaime Ronaldsen	3467 W Shaw Ave #103	Fresno	CA	93711	(559) 555-8625	jronaldsen@mma.zylka.com
15	1097	Jeffrey Smitzen	PO Box 1091	Fresno	CA	93714	(559) 555-8700	jeffrey@mma.coffee.com
16	1065	Anne Braydon	PO Box 942	Fresno	CA	93714	(559) 555-7900	anne@mma.fcb.com
17	1016	Derek Chaddick	1952 "H" Street	Fresno	CA	93718	(559) 555-3005	dChaddick@mma.fresnophoto.com
18	1010	Kendall Mayte	PO Box 2069	Fresno	CA	93718	(559) 555-9999	kmayte@mma.fresno.ca.gov
19	1114	Reba Hernandez	PO Box 2061	Fresno	CA	93718	(559) 555-0600	rhernandez@mma.yesmed.com
20	1100	Thom Aaronsen	7112 N Fresno St Ste 200	Fresno	CA	93720	(559) 555-8484	taaronsen@mma.dgm.com
21	1089	Kyra Francis	4150 W Shaw Ave	Fresno	CA	93722	(559) 555-8300	kyra@mma.abbey.com
22	1012	Marvin Quintin	4420 N. First Street, Suite 108	Fresno	CA	93726	(559) 555-9586	marvin@mma.expedata.com
23	1049	Kaylea Cheyenne	2384 E Gettysburg	Fresno	CA	93726	(559) 555-0765	kaylea@mma.phphoto.com
24	1074	Quentin Warren	PO Box 12332	Fresno	CA	93777	(559) 555-3112	quentin@mma.valprint.com
25	1066	Leah Colton	1626 E Street	Fresno	CA	93786	(559) 555-4442	lcolton@mma.fresnobee.com
26	1008	Kaitlyn Anthoni	Box 52001	San Francisco	CA	94152	(800) 555-6081	kanthoni@mma.pge.com
27	1081	Angel Lloyd	Department #1872	San Francisco	CA	94161	(617) 555-0700	alloyd@mma.cw.com
28	1029	Trentin Camron	PO Box 61000	San Francisco	CA	94161	(800) 555-4426	tCamron@mma.ibm.com
29	1006	Anton Mauro	3255 Ramos Cir	Sacramento	CA	95827	(916) 555-6670	amauro@mma.ccc.org

```sql
/* 4. Select everything from the Customers table where the state is California and the
zipcode is 93718 */
select * from Customers where State = 'ca' and ZipCode = 93718
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email
1	1010	Kendall Mayte	PO Box 2069	Fresno	CA	93718	(559) 555-9999	kmayte@mma.fresno.ca.gov
2	1016	Derek Chaddick	1952 "H" Street	Fresno	CA	93718	(559) 555-3005	dChaddick@mma.fresnophoto.com
3	1114	Reba Hernandez	PO Box 2061	Fresno	CA	93718	(559) 555-0600	rhernandez@mma.yesmed.com

```
/* 5. Add literal text and select the Name from the Customers table where the state is
California and the zipcode is 93718 */
select 'Name: ' + Name from Customers where State = 'ca' and ZipCode = 93718
```

	(No column name)
1	Name: Kendall Mayte
2	Name: Derek Chaddick
3	Name: Reba Hernandez

```
/* 6. Add literal text and select the Name and add an alias from the Customers table
where the state is California and the zipcode is 93718 */
select 'Name: ' + Name as CustomerName from Customers where State = 'ca' and ZipCode =
93718
```

	CustomerName
1	Name: Kendall Mayte
2	Name: Derek Chaddick
3	Name: Reba Hernandez

```
/* 7. Add literal text and select the Name and add an alias that has a space in it from
the Customers table where the state is California and the zipcode is 93718 */
select 'Name: ' + Name as 'Customer Name' from Customers where State = 'ca' and ZipCode =
93718
```

	Customer Name
1	Name: Kendall Mayte
2	Name: Derek Chaddick
3	Name: Reba Hernandez

```
/* 8. Add literal text and select the Name and add an alias that has a space in it from
the Customers table where the state is California and the zipcode is 93718, sort by Phone
ascending */
select 'Name: ' + Name as 'Customer Name' from Customers where State = 'ca' and ZipCode =
93718 order by Phone
```

	Customer Name
1	Name: Reba Hernandez
2	Name: Derek Chaddick
3	Name: Kendall Mayte

```
/* 9. Add literal text and select the Name and add an alias that has a space in it from
the Customers table where the state is California and the zipcode is 93718 and the
address begins with 195 */
select 'Name: ' + Name as 'Customer Name' from Customers where State = 'ca' and ZipCode =
93718 and Address like '195%' order by Phone
```

	Customer Name
1	Name: Derek Chaddick

```
/* Select values from more than one table */
select * from Customers
select * from States

/* 10. Select everything from the Customer Table and just the state names from the states
table */
/* NOTE: This is the book author's database, but you should always name your Primary Key
in One table and the Foreign Key in the other table the exact same to avoid confusion */
select c.*, s.StateName from customers c
left join States s on c.State = s.StateCode
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email	StateName
1	1002	Ania Irvin	PO Box 96621	Washington	DC	20090	(301) 555-8950	ania@mma.nidc.com	District of Columbia
2	1004	Kenzie Quinn	1990 Westwood Blvd Ste 260	Los Angeles	CA	90025	(800) 555-8725	kenzie@mma.jobtrak.com	California
3	1006	Anton Mauro	3255 Ramos Cir	Sacramento	CA	95827	(916) 555-6670	amauro@mma.ccc.org	California
4	1008	Kaitlyn Anthoni	Box 52001	San Francisco	CA	94152	(800) 555-6081	kanthoni@mma.pge.com	California
5	1010	Kendall Mayte	PO Box 2069	Fresno	CA	93718	(559) 555-9999	kmayte@mma.fresno.ca.gov	California
6	1012	Marvin Quintin	4420 N. First Street, Suite 108	Fresno	CA	93726	(559) 555-9586	marvin@mma.expedata.com	California
7	1015	Gonzalo Keeton	27371 Valderas	Mission Viejo	CA	92691	(214) 555-3647		California
8	1016	Derek Chaddick	1952 "H" Street	Fresno	CA	93718	(559) 555-3005	dChaddick@mma.fresnophoto.com	California
9	1017	Malia Marques	7700 Forsyth	St Louis	MO	63105	(314) 555-8834	malia@mma.TheLibraryLtd.com	Missouri
10	1018	Emily Evan	1555 W Lane Ave	Columbus	OH	43221	(614) 555-4435	Emily@mma.MicroCenter.com	Ohio
11	1019	Alexandro Alexis	3711 W Franklin	Fresno	CA	93706	(559) 555-2993	alal@mma.yaleindustries.com	California
12	1023	Ingrid Neil	12 Daniel Road	Fairfield	NJ	07004	(201) 555-9742	Ingrid@mma.richadvertizing.com	New Jersey
13	1026	Eileen Lawrence	1483 Chain Bridge Rd, Ste 202	Mclean	VA	22101	(770) 555-9558	eLawrence@mma.ecomm.com	Virginia
14	1027	Marjorie Essence	PO Box 31	East Brunswick	NJ	08810	(800) 555-8110	messence@mma.rrbowker.com	New Jersey
15	1029	Trentin Camron	PO Box 61000	San Francisco	CA	94161	(800) 555-4426	tCamron@mma.ibm.com	California
16	1030	Demetrius Hunter	PO Box 956	Selma	CA	93662	(559) 555-1534	demetrius@mma.termite.com	California
17	1033	Thalia Neftaly	60 Madison Ave	New York	NY	10010	(212) 555-4800	tneftaly@mma.venture.com	New York
18	1034	Harley Myles	PO Box 7028	St Louis	MO	63177	(301) 555-1494	harley@mma.cprinting.com	Missouri
19	1037	Gideon Paris	1033 N Sycamore Ave.	Los Angeles	CA	90038	(213) 555-4322	gideon@mma.opamp.com	California
20	1038	Jayda Maxwell	PO Box 39046	Minneapolis	MN	55439	(612) 555-0057	jmaxwell@mma.ccredit.com	Minnesota
21	1040	Kristofer Gerald	PO Box 40513	Jacksonville	FL	32231	(800) 555-6041	kgerald@mma.naylorpub.com	Florida
22	1045	Priscilla Carrollton	Box 1979	Marion	OH	43305	(800) 555-1669	pcarrollton@mma.pw.com	Ohio
23	1047	Brian Griffin	1150 N Tustin Ave	Anaheim	CA	92807	(714) 555-9000	bgriffin@mma.azteklabel.com	California
24	1049	Kaylea Cheyenne	2384 E Gettysburg	Fresno	CA	93726	(559) 555-0765	kaylea@mma.phphoto.com	California
25	1050	Kayle Misael	PO Box 95857	Chicago	IL	60694	(800) 555-5811	misael@mma.qualityeducation.com	Illinois
26	1051	Clarence Maeve	PO Box 7247-7051	Philadelphia	PA	19170	(215) 555-8700	cmaeve@mma.springhouse.com	Pennsylvania
27	1054	Jovon Walker	627 Aviation Way	Manhatttan Beach	CA	90266	(310) 555-2732	jovon@mma.ama.org	California
28	1056	Nashalie Angelica	828 S Broadway	Tarrytown	NY	10591	(800) 555-0037	nangelica@mma.aba.org	New York
29	1063	Leroy Aryn	3502 W Greenway #7	Phoenix	AZ	85023	(602) 547-0331	laryn@mma.computerliteracy.com	Arizona
30	1065	Anne Braydon	PO Box 942	Fresno	CA	93714	(559) 555-7900	anne@mma.fcb.com	California
31	1066	Leah Colton	1626 E Street	Fresno	CA	93786	(559) 555-4442	lcolton@mma.fresnobee.com	California
32	1067	Cesar Arodondo	4545 Glenmeade Lane	Auburn Hills	MI	48326	(810) 555-3700	arododo@mma.drc.com	Michigan
33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	CA	93710	(559) 555-1704	rdanielson@mma.eop.com	California
33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	CA	93710	(559) 555-1704	rdanielson@mma.eop.com	California
34	1070	Salina Edgardo	6435 North Palm Ave, Ste 101	Fresno	CA	93704	(559) 555-7070	sadgardo@mma.rpc.com	California
35	1071	Daniel Bradlee	4 Cornwall Dr Ste 102	East Brunswick	NJ	08816	(908) 555-7222	dbradlee@mma.simondirect.com	New Jersey
36	1074	Quentin Warren	PO Box 12332	Fresno	CA	93777	(559) 555-3112	quentin@mma.valprint.com	California
37	1080	Jillian Clifford	3250 Spring Grove Ave	Cincinnati	OH	45225	(800) 555-1957	jillian@mma.champion.com	Ohio
38	1081	Angel Lloyd	Department #1872	San Francisco	CA	94161	(617) 555-0700	alloyd@mma.cw.com	California
39	1083	Jeanette Helena	4775 E Miami River Rd	Cleves	OH	45002	(513) 555-3043	jhelena@mma.eds.com	Ohio
40	1086	Luciano Destin	P O Box 7126	Pasadena	CA	91109	(800) 555-7009	ldestin@mma.mwp.com	California
41	1089	Kyra Francis	4150 W Shaw Ave	Fresno	CA	93722	(559) 555-8300	kyra@mma.abbey.com	California
42	1094	Lance Potter	28210 N Avenue Stanford	Valencia	CA	91355	(805) 555-0584	lpotter@mma.bis.com	California
43	1097	Jeffrey Smitzen	PO Box 1091	Fresno	CA	93714	(559) 555-8700	jeffrey@mma.coffee.com	California
44	1098	Vance Johnson	9 River Pk Pl E 400	Boston	MA	02134	(508) 555-8737	vjohnson@mma.dwr.com	Massachusetts
45	1100	Thom Aaronsen	7112 N Fresno St Ste 200	Fresno	CA	93720	(559) 555-8484	taaronsen@mma.dgm.com	California
46	1112	Harold Spivak	2874 S Cherry Ave	Fresno	CA	93706	(559) 555-2770	harold@mma.propane.com	California
47	1113	Rachael Bluzinski	P.O. Box 860070	Pasadena	CA	91186	(415) 555-7600	rachael@mma.unocal.com	California
48	1114	Reba Hernandez	PO Box 2061	Fresno	CA	93718	(559) 555-0600	rhernandez@mma.yesmed.com	California
49	1116	Jaime Ronaldsen	3467 W Shaw Ave #103	Fresno	CA	93711	(559) 555-8625	jronaldsen@mma.zylka.com	California
50	1117	Violet Beauregard	P.O. Box 505820	Reno	NV	88905	(800) 555-0855	vbeauregard@mma.ups.com	Nevada
51	1118	Charlie Bucket	P.O. Box 1140	Memphis	TN	38101	(800) 555-4091	cbucket@mma.fedex.com	Tennessee

```sql
/* 11. Get specific fields from both Customers and States */
select c.CustomerID, c.name, c.address, c.city, s.StateName, c.ZipCode from customers c
left join States s on c.State = s.StateCode
```

	CustomerID	name	address	city	StateName	ZipCode
1	1002	Ania Irvin	PO Box 96621	Washington	District of Columbia	20090
2	1004	Kenzie Quinn	1990 Westwood Blvd Ste 260	Los Angeles	California	90025
3	1006	Anton Mauro	3255 Ramos Cir	Sacramento	California	95827
4	1008	Kaitlyn Anthoni	Box 52001	San Francisco	California	94152
5	1010	Kendall Mayte	PO Box 2069	Fresno	California	93718
6	1012	Marvin Quintin	4420 N. First Street, Suite 108	Fresno	California	93726
7	1015	Gonzalo Keeton	27371 Valderas	Mission Viejo	California	92691
8	1016	Derek Chaddick	1952 "H" Street	Fresno	California	93718
9	1017	Malia Marques	7700 Forsyth	St Louis	Missouri	63105
10	1018	Emily Evan	1555 W Lane Ave	Columbus	Ohio	43221
11	1019	Alexandro Alexis	3711 W Franklin	Fresno	California	93706
12	1023	Ingrid Neil	12 Daniel Road	Fairfield	New Jersey	07004
13	1026	Eileen Lawrence	1483 Chain Bridge Rd, Ste 202	Mclean	Virginia	22101
14	1027	Marjorie Essence	PO Box 31	East Brunswick	New Jersey	08810
15	1029	Trentin Camron	PO Box 61000	San Francisco	California	94161
16	1030	Demetrius Hunter	PO Box 956	Selma	California	93662
17	1033	Thalia Neftaly	60 Madison Ave	New York	New York	10010
18	1034	Harley Myles	PO Box 7028	St Louis	Missouri	63177
19	1037	Gideon Paris	1033 N Sycamore Ave.	Los Angeles	California	90038
20	1038	Jayda Maxwell	PO Box 39046	Minneapolis	Minnesota	55439
21	1040	Kristofer Gerald	PO Box 40513	Jacksonville	Florida	32231
22	1045	Priscilla Carrollton	Box 1979	Marion	Ohio	43305
23	1047	Brian Griffin	1150 N Tustin Ave	Anaheim	California	92807
24	1049	Kaylea Cheyenne	2384 E Gettysburg	Fresno	California	93726
25	1050	Kayle Misael	PO Box 95857	Chicago	Illinois	60694
26	1051	Clarence Maeve	PO Box 7247-7051	Philadelphia	Pennsylvania	19170
27	1054	Jovon Walker	627 Aviation Way	Manhatttan Beach	California	90266
28	1056	Nashalie Angelica	828 S Broadway	Tarrytown	New York	10591
29	1063	Leroy Aryn	3502 W Greenway #7	Phoenix	Arizona	85023
30	1065	Anne Braydon	PO Box 942	Fresno	California	93714
31	1066	Leah Colton	1626 E Street	Fresno	California	93786
32	1067	Cesar Arodondo	4545 Glenmeade Lane	Auburn Hills	Michigan	48326
33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	California	93710

33	1068	Rachael Daniel...	353 E Shaw Ave	Fresno	California	93710
34	1070	Salina Edgardo	6435 North Palm Ave, Ste 101	Fresno	California	93704
35	1071	Daniel Bradlee	4 Cornwall Dr Ste 102	East Brunswick	New Jersey	08816
36	1074	Quentin Warren	PO Box 12332	Fresno	California	93777
37	1080	Jillian Clifford	3250 Spring Grove Ave	Cincinnati	Ohio	45225
38	1081	Angel Lloyd	Department #1872	San Francisco	California	94161
39	1083	Jeanette Helena	4775 E Miami River Rd	Cleves	Ohio	45002
40	1086	Luciano Destin	P O Box 7126	Pasadena	California	91109
41	1089	Kyra Francis	4150 W Shaw Ave	Fresno	California	93722
42	1094	Lance Potter	28210 N Avenue Stanford	Valencia	California	91355
43	1097	Jeffrey Smitzen	PO Box 1091	Fresno	California	93714
44	1098	Vance Johnson	9 River Pk Pl E 400	Boston	Massachusetts	02134
45	1100	Thom Aaronsen	7112 N Fresno St Ste 200	Fresno	California	93720
46	1112	Harold Spivak	2874 S Cherry Ave	Fresno	California	93706
47	1113	Rachael Bluzinski	P.O. Box 860070	Pasadena	California	91186
48	1114	Reba Hernandez	PO Box 2061	Fresno	California	93718
49	1116	Jaime Ronaldsen	3467 W Shaw Ave #103	Fresno	California	93711
50	1117	Violet Beauregard	P.O. Box 505820	Reno	Nevada	88905
51	1118	Charlie Bucket	P.O. Box 1140	Memphis	Tennessee	38101

```sql
/* 12. Count the number of incidents in the Incidents table for customer 1070 */
select count(*) from Incidents where CustomerID=1070
```

	(No column name)
1	3

```sql
/* 13. You can drag and drop fields from the Object Explorer window on to the Query
Window. dbo stands for database owner... */
/* try it now, drag and drop the products table then add SELECT Name from Products and
Execute */
select * from [dbo].[Incidents]
```

	IncidentID	CustomerID	ProductCode	TechID	DateOpened	DateClosed	Title	Description
1	27	1010	LEAG10	11	2016-06-05 00:00:00.000	2016-06-06 00:00:00.000	Could not install	Media appears to be bad.
2	28	1117	TRNY20	11	2016-06-14 00:00:00.000	NULL	Error importing data	Received error message 415 while trying to import ...
3	29	1116	DRAFT10	13	2016-06-20 00:00:00.000	NULL	Could not install	Setup failed with code 104.
4	30	1070	TEAM10	14	2016-06-21 00:00:00.000	2016-06-24 00:00:00.000	Error launching program	Program fails with error code 510, unable to open d...
5	31	1070	TRNY20	14	2016-06-21 00:00:00.000	NULL	Unable to activate product	Customer's product activation key does not work.
6	32	1056	TRNY20	12	2016-06-24 00:00:00.000	NULL	Product activation error	Customer could not activate product because of an...
7	34	1070	DRAFT10	13	2016-07-02 00:00:00.000	2016-07-04 00:00:00.000	Error launching program	Program fails with error code 340: Database excee...
8	36	1065	LEAG10	15	2016-07-04 00:00:00.000	NULL	Error adding data	Received error message 201 when trying to add re...
9	42	1097	TRNY20	11	2016-07-08 00:00:00.000	NULL	Unable to import data	Import command not available for importing data fro...
10	44	1063	LEAG10	NULL	2016-07-09 00:00:00.000	NULL	Installation error	Error during installation: cmd.exe not found.
11	45	1089	LEAGD10	NULL	2016-07-09 00:00:00.000	NULL	Problem upgrading from League Scheduler 1.0	Program fails with error 303 when trying to install up...
12	46	1016	TEAM10	NULL	2016-07-09 00:00:00.000	NULL	Unable to restore data from backup	Error 405 encountered while restoring backup: File ...
13	47	1034	DRAFT10	NULL	2016-07-09 00:00:00.000	NULL	Can't activate product	Product activation code invalid.
14	48	1049	TRNY20	NULL	2016-07-09 00:00:00.000	NULL	Unable to print brackets	Program doesn't recognize printer.
15	49	1083	LEAGD10	NULL	2016-07-10 00:00:00.000	NULL	Can't start application	Error 521 on startup: database must be reorganized.
16	50	1116	DRAFT10	NULL	2016-07-10 00:00:00.000	NULL	Error during data file backup	Program abends with error 228 during database ba...
17	51	1067	LEAGD10	NULL	2016-07-10 00:00:00.000	NULL	Error when adding new records	Received error 340: database exceeds size limit.
18	52	1066	TEAM10	NULL	2016-07-11 00:00:00.000	NULL	Installation problem	Customer states that the setup program failed with ...

```sql
/* 14. Get a specific date */
select * from Registrations where RegistrationDate = '2013-09-19'
```

	CustomerID	ProductCode	RegistrationDate
1	1004	LEAG10	2013-09-19 00:00:00.000

```sql
/* 15. Get a specific date range, but not equal to those dates. */
select * from Registrations where RegistrationDate > '2014-09-19' and RegistrationDate <
'2015-01-13'
```

	CustomerID	ProductCode	RegistrationDate
1	1002	LEAG10	2014-11-01 00:00:00.000
2	1004	DRAFT10	2015-01-11 00:00:00.000
3	1047	TEAM10	2014-10-27 00:00:00.000
4	1049	DRAFT10	2015-01-11 00:00:00.000
5	1066	TEAM10	2014-10-01 00:00:00.000
6	1067	LEAGD10	2015-01-04 00:00:00.000
7	1089	LEAGD10	2014-10-10 00:00:00.000
8	1112	DRAFT10	2014-09-27 00:00:00.000
9	1118	DRAFT10	2014-11-23 00:00:00.000

```sql
/* 16. Get the TOP x records */
select top 2 TechID from Technicians
```

	TechID
1	11
2	12

```sql
/* 17. select distinct. Get unique instances from your table. You may have many
customers, but you only want a customer listed once in this example. */
select distinct CustomerID from Incidents order by CustomerID
```

	CustomerID
1	1010
2	1016
3	1034
4	1049
5	1056
6	1063
7	1065
8	1066
9	1067
10	1070
11	1083
12	1089
13	1097
14	1116
15	1117

```sql
/* 18. Get records where date/time field is not null. Here we are looking for Incidents
which have been closed. */
select * from incidents where DateClosed is not null
```

	IncidentID	CustomerID	ProductCode	TechID	DateOpened	DateClosed	Title	Description
1	27	1010	LEAG10	11	2016-06-05 00:00:00.000	2016-06-06 00:00:00.000	Could not install	Media appears to be bad.
2	30	1070	TEAM10	14	2016-06-21 00:00:00.000	2016-06-24 00:00:00.000	Error launching program	Program fails with error code 510, unable to open ...
3	34	1070	DRAFT10	13	2016-07-02 00:00:00.000	2016-07-04 00:00:00.000	Error launching program	Program fails with error code 340: Database exce...

```sql
/* 19. Get records where date/time field is null. Here we are looking for Incidents which
have NOT been closed. */
select * from incidents where DateClosed is null
```

	IncidentID	CustomerID	ProductCode	TechID	DateOpened	DateClosed	Title	Description
1	28	1117	TRNY20	11	2016-06-14 00:00:00.000	NULL	Error importing data	Received error message 415 while trying to import ...
2	29	1116	DRAFT10	13	2016-06-20 00:00:00.000	NULL	Could not install	Setup failed with code 104.
3	31	1070	TRNY20	14	2016-06-21 00:00:00.000	NULL	Unable to activate product	Customer's product activation key does not work.
4	32	1056	TRNY20	12	2016-06-24 00:00:00.000	NULL	Product activation error	Customer could not activate product because of an...
5	36	1065	LEAG10	15	2016-07-04 00:00:00.000	NULL	Error adding data	Received error message 201 when trying to add re...
6	42	1097	TRNY20	11	2016-07-08 00:00:00.000	NULL	Unable to import data	Import command not available for importing data fro...
7	44	1063	LEAG10	NULL	2016-07-09 00:00:00.000	NULL	Installation error	Error during installation: cmd.exe not found.
8	45	1089	LEAGD10	NULL	2016-07-09 00:00:00.000	NULL	Problem upgrading from League Scheduler 1.0	Program fails with error 303 when trying to install up...
9	46	1016	TEAM10	NULL	2016-07-09 00:00:00.000	NULL	Unable to restore data from backup	Error 405 encountered while restoring backup: File ...
10	47	1034	DRAFT10	NULL	2016-07-09 00:00:00.000	NULL	Can't activate product	Product activation code invalid.
11	48	1049	TRNY20	NULL	2016-07-09 00:00:00.000	NULL	Unable to print brackets	Program doesn't recognize printer.
12	49	1083	LEAGD10	NULL	2016-07-10 00:00:00.000	NULL	Can't start application	Error 521 on startup: database must be reorganized.
13	50	1116	DRAFT10	NULL	2016-07-10 00:00:00.000	NULL	Error during data file backup	Program abends with error 228 during database ba...
14	51	1067	LEAGD10	NULL	2016-07-10 00:00:00.000	NULL	Error when adding new records	Received error 340: database exceeds size limit.
15	52	1066	TEAM10	NULL	2016-07-11 00:00:00.000	NULL	Installation problem	Customer states that the setup program failed with ...

```sql
/* 20. We are looking for specific zip codes only, use the IN reserved word. */
select * from Customers where ZipCode in (20090, 93726)
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email
1	1002	Ania Irvin	PO Box 96621	Washington	DC	20090	(301) 555-8950	ania@mma.nidc.com
2	1012	Marvin Quintin	4420 N. First Street, Suite 108	Fresno	CA	93726	(559) 555-9586	marvin@mma.expedata.com
3	1049	Kaylea Cheyenne	2384 E Gettysburg	Fresno	CA	93726	(559) 555-0765	kaylea@mma.phphoto.com

```sql
/* 21. Select everything from the Customers table for OH, sort by zipcode  */
select * from Customers where State ='OH' order by ZipCode
```

	CustomerID	Name	Address	City	State	ZipCode	Phone	Email
1	1018	Emily Evan	1555 W Lane Ave	Columbus	OH	43221	(614) 555-4435	Emily@mma.MicroCenter.com
2	1045	Priscilla Carrollton	Box 1979	Marion	OH	43305	(800) 555-1669	pcarrollton@mma.pw.com
3	1083	Jeanette Helena	4775 E Miami River Rd	Cleves	OH	45002	(513) 555-3043	jhelena@mma.eds.com
4	1080	Jillian Clifford	3250 Spring Grove Ave	Cincinnati	OH	45225	(800) 555-1957	jillian@mma.champion.com

```sql
/* 22. Select everything from the Registrations table where TRNY20 was used, sort by
registration date  */
select * from Registrations where ProductCode = 'TRNY20' order by RegistrationDate
```

	CustomerID	ProductCode	RegistrationDate
1	1054	TRNY20	2015-05-09 00:00:00.000
2	1019	TRNY20	2015-06-20 00:00:00.000
3	1056	TRNY20	2015-07-06 00:00:00.000
4	1049	TRNY20	2015-07-12 00:00:00.000
5	1117	TRNY20	2015-08-22 00:00:00.000
6	1070	TRNY20	2015-09-13 00:00:00.000
7	1097	TRNY20	2015-09-18 00:00:00.000
8	1112	TRNY20	2015-12-13 00:00:00.000
9	1047	TRNY20	2016-02-27 00:00:00.000

```sql
/* 23. Select everything from States where LASTZIPCODE is 79999*/
select * from States where LastZipCode = '79999'
```

	StateCode	StateName	FirstZipCode	LastZipCode
1	TX	Texas	75000	79999

```sql
/* 24. Select everything from Products table using code for League items! */
select * from Products where ProductCode = 'LEAG10' or ProductCode = 'LEAGD10'
```

	ProductCode	Name	Version	ReleaseDate
1	LEAG10	League Scheduler 1.0	1.0	2013-05-01 00:00:00.000
2	LEAGD10	League Scheduler Deluxe 1.0	1.0	2013-08-01 00:00:00.000

```sql
/* 25 Select everything from Incidents table where ProductCode TRNY20 was used*/
select * from Incidents where ProductCode = 'TRNY20'
```

	IncidentID	CustomerID	ProductCode	TechID	DateOpened	DateClosed	Title	Description
1	28	1117	TRNY20	11	2016-06-14 00:00:00.000	NULL	Error importing data	Received error message 415 while trying to import...
2	31	1070	TRNY20	14	2016-06-21 00:00:00.000	NULL	Unable to activate product	Customer's product activation key does not work.
3	32	1056	TRNY20	12	2016-06-24 00:00:00.000	NULL	Product activation error	Customer could not activate product because of ...
4	42	1097	TRNY20	11	2016-07-08 00:00:00.000	NULL	Unable to import data	Import command not available for importing data fr...
5	48	1049	TRNY20	NULL	2016-07-09 00:00:00.000	NULL	Unable to print brackets	Program doesn't recognize printer.