

Alex Thayn Sample Data Queries

--- Customer perspective:

--Which customers have placed the most # of orders? (list of top 50)

```
SELECT TOP 50
    amazon.Customer.FirstName 'First Name',
    amazon.Customer.LastName 'Last Name',
    count(*) 'Num Orders'
FROM    amazon.customer inner join amazon.CustomerOrder ON (customer.ID = CustomerOrder.CustomerId)
GROUP BY customer.firstname, customer.LastName
ORDER BY 3 DESC;
```

	First Name	Last Name	Num Orders
1	Lashawnda	Aubuchon	24
2	Kandace	Artiaga	23
3	Daron	Allsbrook	22
4	Lindsay	Avie	22
5	Janella	Duhn	22
6	Minda	Emling	22
7	Dong	Aluqdah	21
8	Devona	Dolton	21
9	Leisha	Edelman	21
10	Raphael	Escoto	21
11	Saul	Every	21
12	Dorla	Alvia	20
13	Kraig	Astley	20
14	Lory	Ayotte	20
15	Amee	Detore	20
16	Arthur	Dewindt	20
17	Bennett	Dicello	20
18	Milo	Emke	20
19	Caitlin	Ahrens	19
20	Deneen	Alred	19
21	Denyse	Alsman	19
22	Deon	Alsobrooks	19
23	Elenora	Amen	19
24	Fonda	Anetsberger	19
25	Francina	Angeletti	19
26	Gilbert	Anreozzi	19
27	Jaquelyn	Argenal	19
28	Jene	Arista	19
29	Katrina	Aschmann	19
30	Malissa	Backbone	19
31	Roxanne	Barness	19
32	Alethia	Desmith	19
33	Anisha	Devary	19
34	Bradly	Diel	19
35	Bryan	Difillippo	19
36	Cecilia	Dimitriou	19
37	Chang	Dinardi	19
38	Chere	Dinn	19
39	Chieko	Dion	19
40	Cuc	Dluhy	19
41	Deetta	Doing	19
42	Eryn	Dossey	19
43	Johnnie	Duplantis	19
44	Loan	Eggenber...	19
45	Lucius	Eichhom	19
46	Nita	Ensign	19
47	Rex	Esperon	19
48	Rosella	Ethel	19
49	Takako	Fang	19
50	Alfred	Abelson	18

--Which customers have placed orders for the most # of items? (list of top 50)

```
SELECT TOP 50
    amazon.Customer.FirstName 'First Name',
    amazon.Customer.LastName 'Last Name',
    SUM(OrderProduct.Quantity) 'Num of products'

FROM    amazon.customer inner join amazon.CustomerOrder ON (customer.ID = CustomerOrder.CustomerId)
        inner join amazon.OrderProduct ON (CustomerOrder.ID = amazon.OrderProduct.CustomerOrderID)
GROUP BY customer.firstname, customer.LastName
ORDER BY 3 DESC;
```

	First Name	Last Name	Num of products
1	Kandace	Artiaga	239
2	Darron	Allsbrook	210
3	Lashawnda	Aubuchon	204
4	Cecilia	Dimitriou	201
5	Minda	Emling	199
6	Raphael	Escoto	193
7	Deneen	Alred	192
8	Bennett	Dicello	190
9	Laura	Auerbach	187
10	Saul	Every	185
11	Deon	Alsobrooks	184
12	Imogene	Duchnowski	184
13	Corey	Alhameed	182
14	Loan	Eggenberger	182
15	Dorla	Alvia	181
16	Cassandra	Dimare	181
17	Anja	Ache	179
18	Camelita	Aiyer	179
19	Ola	Banner	179
20	Bert	Dickes	178
21	Gloria	Drimmer	178
22	Lucius	Eichhom	178
23	Elfrieda	Amento	177
24	Irena	Araujo	177
25	Johnnie	Duplantis	177
26	Spencer	Falce	177
27	Lory	Ayotte	176
28	Chere	Dinn	176
29	Stephine	Falknor	175
30	Kitty	Ast	174
31	Damon	Alleman	173
32	Noemi	Ensworth	173
33	Kraig	Astley	172
34	Seema	Barvick	172
35	Rosella	Ethel	172
36	Tawna	Faren	172
37	Caitlin	Ahrens	171
38	Bryan	DiFillippo	170
39	Gordon	Drinnon	170
40	Son	Batts	169
41	Tamika	Bayliss	169
42	Lesha	Edland	169
43	Elena	Dorgan	168
44	Hui	Dubree	168
45	Mimi	Baldy	166
46	Sammy	Bartmes	166
47	Ayesha	Diamico	166
48	Claris	Disanto	166
49	Eunice	Doucet	166
50	Damell	Dodimead	165

--Which customer's have spent the greatest \$ amount? (list of top 50)

```
SELECT TOP 50
    amazon.Customer.FirstName 'First Name',
    amazon.Customer.LastName 'Last Name',
    SUM(amazon.OrderProduct.UnitPrice*amazon.OrderProduct.Quantity) 'Who has lots of $$$?'
FROM    amazon.Customer inner join amazon.CustomerOrder ON (customer.ID = CustomerOrder.CustomerId)
        inner join amazon.OrderProduct ON (CustomerOrder.ID = amazon.OrderProduct.CustomerOrderId)
GROUP BY customer.firstName, customer.LastName
ORDER BY 3 DESC;
```

	First Name	Last Name	Who has lots of \$\$\$?
1	Noemi	Ensworth	21226.00
2	Gloria	Drimmer	21154.00
3	Masako	Bain	21121.00
4	Cecilia	Dimitriou	21021.00
5	Spencer	Falce	20818.00
6	Kraig	Astley	20523.00
7	Imogene	Duchnowski	20444.00
8	Ola	Banner	20208.00
9	Nakia	Ballweg	20026.00
10	Dorla	Alvia	19878.00
11	Hui	Dubree	19863.00
12	Deneen	Alred	19743.00
13	Lashawnda	Aubuchon	19648.00
14	Latoria	Audia	19216.00
15	Mimi	Baldy	19114.00
16	Camelita	Aiyer	19084.00
17	Talitha	Faniel	19042.00
18	Lucius	Eichhom	19001.00
19	Tawna	Faren	18963.00
20	Gussie	Drones	18777.00
21	Eryn	Dossey	18747.00
22	Kandace	Artiaga	18680.00
23	Saul	Every	18630.00
24	Isaiah	Dudleson	18626.00
25	Keva	Aslanian	18620.00
26	Son	Batts	18553.00
27	Darby	Alligood	18532.00
28	Kitty	Ast	18515.00
29	Chere	Dinn	18492.00
30	Reva	Baman	18438.00
31	Ivey	Arceo	18396.00
32	Bennett	Dicello	18358.00
33	Sonny	Batzer	18285.00
34	Darron	Allsbrook	18284.00
35	Anja	Ache	18195.00
36	Leonore	Autovino	18161.00
37	Katelynn	Asa	18103.00
38	Annie	Acker	18098.00
39	Deon	Alsobrooks	18067.00
40	Kelley	Dykstra	18040.00
41	Sammy	Bartmes	18033.00
42	Marth	Bahr	17947.00
43	Minda	Emling	17903.00
44	Laticia	Audas	17891.00
45	Stephine	Falknor	17865.00
46	Chieko	Dion	17765.00
47	Rosalie	Barickman	17751.00
48	Lucila	Eichenberg	17737.00
49	Alena	Deslaurier	17736.00
50	Genesis	Anick	17703.00

--- Seller Perspective:

--In order of \$ product sold, which are the top 50 vendors?

```
SELECT TOP 50
    amazon.Store.StoreName 'Vendor',
    SUM(amazon.OrderProduct.Quantity * amazon.OrderProduct.UnitPrice) 'Money Made'
FROM    amazon.Store inner join amazon.Product on (store.ID = Product.StoreID)
        inner join amazon.orderProduct on (Product.ID = OrderProduct.ProductID)
GROUP BY Store.StoreName
ORDER BY 2 DESC;
```

	Vendor	Money Made
1	Delhaize America	942391.00
2	H-E-B Grocery	931164.00
3	AutoZone	913172.00
4	O'Reilly Automotive	910858.00
5	SUPERVALU	906605.00
6	GameStop	905706.00
7	Bed Bath & Beyond	900307.00
8	7-Eleven	897821.00
9	Panera Bread Company	886860.00
10	Tractor Supply Co.	884472.00
11	Verizon Wireless	881958.00
12	Wal-Mart Stores	881704.00
13	Royal Ahold / Ahold USA	881693.00
14	Rite Aid	880781.00
15	Kohls	879938.00
16	AT&T Wireless	874635.00
17	Staples	868590.00
18	Advance Auto Parts	868390.00
19	Dicks Sporting Goods	865603.00
20	Ace Hardware	865083.00
21	Trader Joes	862055.00
22	Ross Stores	861225.00
23	WinCo Foods	859757.00
24	Hy-Vee	858411.00
25	Williams-Sonoma	857455.00
26	Alimentation Couche-Tard	856669.00
27	Bi-Lo	855532.00
28	YUM! Brands	854414.00
29	Health Mart Systems	853677.00
30	Neiman Marcus	851562.00
31	TJX	851151.00
32	Safeway	850126.00
33	Dillards	848727.00
34	Lowes Companies	846472.00
35	Best Buy	845411.00
36	Stater Bros. Holdings	844032.00
37	Target	843851.00
38	PetSmart	843775.00
39	Dollar Tree	842234.00
40	Wendys	837677.00
41	Family Dollar Stores	837573.00
42	Signet Jewelers	836905.00
43	Toys "R" Us	836523.00
44	Jack in the Box	835588.00
45	Giant Eagle	835204.00
46	Macys	833645.00
47	Menard	833466.00
48	Dunkin Brands Group	832886.00
49	Albertsons	831365.00
50	Costco	829937.00

--- Product Perspective:

--What are the 50 most popular products? (ranked by # sales)

```
SELECT TOP 50
    amazon.Product.ProductName 'Product',
    SUM(amazon.OrderProduct.Quantity) 'Number Sold'
FROM    amazon.Product inner join amazon.orderProduct on (Product.ID = OrderProduct.ProductID)
GROUP BY Product.ProductName
ORDER BY 2 DESC;
```

	Product	Number Sold
1	Lettuce - Belgian Endive Office Star - Mid Back Dual function Ergonomic High Back Chair with 2-Way Adjustable Arms	77
2	Tortillas - Flour, 8 DAX Copper Panel Document Frame, 5 x 7 Size	76
3	Pasta - Fusili, Dry Boston 1730 StandUp Electric Pencil Sharpener	74
4	Lettuce - Green Leaf 282	72
5	Bread - Hot Dog Buns CF 888	70
6	Wine - Piper Heidsieck Brut TIMEPORT P8767	70
7	Irish Cream - Baileys Xerox 1928	69
8	Beans - Black Bean, Dry Serrated Blade or Curved Handle Hand Letter Openers	68
9	Beans - Black Bean, Dry Stockwell Push Pins	68
10	Beef - Ox Tongue Xerox 1899	68
11	Salmon - Sockeye Raw Accessory21	67
12	Beef - Ox Tongue 1/4 Fold Party Design Invitations & White Envelopes, 24 8-1/2" X 11" Cards, 25 Env./Pack	67
13	Grapes - Black Acco Pressboard Covers with Storage Hooks, 14 7/8" x 11", Executive Red	66
14	Soup - Campbells Beef Stew Gyration RF Keyboard	66
15	Bread Crumbs - Japanese Style Fellowes Basic 104-Key Keyboard, Platinum	66
16	Beans - Black Bean, Dry 636	66
17	Tortillas - Flour, 8 Xerox 1974	66
18	Bread - Sour Batard Black Print Carbonless 8 1/2" x 8 1/4" Rapid Memo Book	66
19	Pan Grease Newell 321	66
20	Dried Cherries Tenex File Box, Personal Filing Tote with Lid, Black	66
21	Bread - Hot Dog Buns Avery 52	66
22	Gooseberry Perma STOR-ALL™ Hanging File Box, 13 1/8"W x 12 1/4"D x 10 1/2"H	65
23	Bread Crumbs - Japanese Style Assorted Color Push Pins	65
24	Coffee - Espresso Rubbermaid ClusterMat Chaimats, Mat Size- 66" x 60", Lip 20" x 11" -90 Degree Angle	65
25	Bread - Sour Batard Epson FX-2180 Wide Format Dot Matrix Printer	65
26	Moniji Oroshi Chili Sauce Assorted Color Push Pins	65
27	Bread Fig And Almond Premium Transparent Presentation Covers by GBC	65
28	Pasta - Fusili, Dry GBC Durable Plastic Covers	65
29	Cut Wakame - Hanawakaba SAFCO Commercial Wire Shelving, Black	64
30	Coffee - Espresso Sanford Liquid Accent Highlighters	64
31	Lettuce - Green Leaf Panasonic KP-310 Heavy-Duty Electric Pencil Sharpener	64
32	Soup - Chicken And Wild Rice Wilson Jones "Snap" Scratch Pad Binder Tool for Ring Binders	64
33	Soup - Knorr, Veg / Beef Xerox 23	63
34	Mushrooms - Black, Dried Hoover WindTunnel™ Plus Canister Vacuum	63
35	Mushrooms - Black, Dried Multi-Use Personal File Cart and Caster Set, Three Stacking Bins	63
36	Rosemary - Primerba, Paste Xerox 1948	62
37	Lettuce - Green Leaf Global Ergonomic Managers Chair	62
38	Bread Crumbs - Japanese Style T18	62
39	Rosemary - Primerba, Paste Staples Premium Bright 1-Part Blank Computer Paper	62
40	Wine - Piper Heidsieck Brut Sanford EarthWrite® Recycled Pencils, Medium Soft, #2	62
41	Steam Pan - Half Size Deep Career Cubicle Clock, 8 1/4", Black	62
42	Lettuce - Green Leaf Ames Color-File® Green Diamond Border X-ray Mailers	62
43	Pasta - Fusili, Dry O Sullivan 2-Shelf Heavy-Duty Bookcases	61
44	Pastry - Chocolate Baked Iris Project Case	61
45	Sprite - 355 Ml GBC White Gloss Covers, Plain Front	61
46	Taro Root Hewlett-Packard Deskjet 940 REFURBISHED Color Inkjet Printer	61
47	Yeast - Fresh, Fleischman Xerox 1883	61
48	Soup - Chicken And Wild Rice 5185	61
49	Pork Salted Bellies Global Leather Highback Executive Chair with Pneumatic Height Adjustment, Black	61
50	Beef - Ox Tongue Hayes Optima 56K V.90 Internal Voice Modem	61

--What are the 50 most popular products? (ranked by \$ sales)

```
SELECT TOP 50
    amazon.Product.ProductName 'Product',
    SUM(amazon.OrderProduct.Quantity*amazon.OrderProduct.UnitPrice) 'Money Spent on Product'
FROM    amazon.Product inner join amazon.orderProduct on (Product.ID = OrderProduct.ProductID)
GROUP BY Product.ProductName
ORDER BY 2 DESC;
```

	Product	Money Spent on Product
1	Limes Accessory6	9494.00
2	Tortillas - Flour, 8 Xerox 1974	9336.00
3	Yeast - Fresh, Fleischman Xerox 1883	9153.00
4	Salmon - Sockeye Raw Hewlett-Packard Deskjet 1220Cse Color Inkjet Printer	9108.00
5	Limes Staples Paper Clips	8533.00
6	Mushrooms - Black, Dried Multi-Use Personal File Cart and Caster Set, Three Stacking Bins	8481.00
7	Bread Crumbs - Japanese Style Fellowes Basic 104-Key Keyboard, Platinum	8098.00
8	Dried Cherries Tenex File Box, Personal Filing Tote with Lid, Black	7965.00
9	V8 Splash Strawberry Kiwi Deflect-o EconoMat Studded, No Bevel Mat for Low Pile Carpeting	7919.00
10	Rosemary - Primerba, Paste Fellowes Basic 104-Key Keyboard, Platinum	7858.00
11	Cut Wakame - Hanawakaba Fellowes Recycled Storage Drawers	7808.00
12	Grapes - Black Acco Pressboard Covers with Storage Hooks, 14 7/8" x 11", Executive Red	7741.00
13	Bread Fig And Almond Crayola Colored Pencils	7695.00
14	Pork Salted Bellies Sanyo Counter Height Refrigerator with Crisper, 3.6 Cubic Foot, Stainless Steel/Black	7689.00
15	Bread - Sour Batard 14-7/8 x 11 Blue Bar Computer Printout Paper	7674.00
16	Cut Wakame - Hanawakaba SAFCO Commercial Wire Shelving, Black	7652.00
17	Bread Fig And Almond Microsoft Internet Keyboard	7590.00
18	Lettuce - Green Leaf DMI Arturo Collection Mission-style Design Wood Chair	7534.00
19	Muffin Mix - Blueberry Epson FX-2180 Wide Format Dot Matrix Printer	7516.00
20	Lettuce - Belgian Endive Office Star - Mid Back Dual function Ergonomic High Back Chair with 2-Way Adjustable Arms	7512.00
21	Steam Pan - Half Size Deep Hewlett-Packard Deskjet 940 REFURBISHED Color Inkjet Printer	7493.00
22	Bread - Sour Batard Xerox 4200 Series MultiUse Premium Copy Paper (20Lb. and 84 Bright)	7475.00
23	Bread - Hot Dog Buns CF 888	7416.00
24	Wine - Casablanca Valley Deflect-o SuperTray™ Unbreakable Stackable Tray, Letter, Black	7415.00
25	Grapes - Black Dana Swing-Arm Lamps	7338.00
26	Rosemary - Primerba, Paste Xerox 1948	7245.00
27	Bread - Sour Batard Hon 2090 "Pillow Soft" Series Mid Back Swivel/Tilt Chairs	7238.00
28	Soup - Campbells Beef Stew Micro Innovations Micro 3000 Keyboard, Black	7202.00
29	Rosemary - Primerba, Paste Staples Premium Bright 1-Part Blank Computer Paper	7164.00
30	Pimento - Canned Executive Impressions 14"	7163.00
31	Lettuce - Belgian Endive Canon PC-428 Personal Copier	7159.00
32	Bread Fig And Almond Premium Transparent Presentation Covers by GBC	7153.00
33	Wine - Piper Heidsieck Brut TIMEPORT P8767	7140.00
34	Wine - Casablanca Valley Xerox 1949	7121.00
35	Soup - Knorr, Veg / Beef Epson Stylus 1520 Color Inkjet Printer	7104.00
36	Soup - Knorr, Veg / Beef Avery Trapezoid Extra Heavy Duty 4" Binders	7091.00
37	Soup - Campbells Beef Stew Gyration RF Keyboard	7090.00
38	Salmon - Sockeye Raw Accessory21	7084.00
39	Salmon - Sockeye Raw Eldon Cleatmat® Chair Mats for Medium Pile Carpets	7072.00
40	Bread Fig And Almond Avery 514	7067.00
41	Gooseberry Laminate Occasional Tables	7061.00
42	Pork Salted Bellies Global Leather Highback Executive Chair with Pneumatic Height Adjustment, Black	7057.00
43	Soup - Chicken And Wild Rice Hon 2111 Invitation™ Series Comer Table	7053.00
44	Grapes - Black Canon S750 Color Inkjet Printer	7024.00
45	Bread - Hot Dog Buns Xerox 214	7017.00
46	Momiji Oroshi Chili Sauce Eldon Advantage® Chair Mats for Low to Medium Pile Carpets	6986.00
47	Pastry - Chocolate Baked Canon PC1080F Personal Copier	6966.00
48	Pastry - Chocolate Baked Iris Project Case	6960.00
49	Salmon - Sockeye Raw Astroparche® Fine Business Paper	6952.00
50	Soup - Campbells Beef Stew Lexmark Z25 Color Inkjet Printer	6930.00

--- Shipper Perspective:

--For each shipper, how many shipments did we ship via them?

```
SELECT amazon.carrier.carrierName 'Carrier',  
       COUNT(*) 'Number of Shipments'  
FROM   amazon.carrier inner join amazon.Shipment on (carrier.ID = Shipment.CarrierId)  
GROUP BY carrier.carrierName  
ORDER BY 2 DESC;
```

	Carrier	Number of Shipments
1	USPS	25146
2	UPS	25048
3	FedEx	24945
4	DHL Express	24861

--For each shipper, how much \$ did we pay for all of those shipments?

```
SELECT  
       amazon.carrier.carrierName 'Carrier',  
       SUM(amazon.shipment.cost) 'Amount Paid to Carrier'  
FROM   amazon.carrier inner join amazon.Shipment on (carrier.ID = Shipment.CarrierId)  
GROUP BY  
       carrier.carrierName  
ORDER BY 2 DESC;
```

	Carrier	Amount Paid to Carrier
1	UPS	2733048.00
2	USPS	2732833.00
3	FedEx	2728634.00
4	DHL Express	2718308.00