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## Query Source Code

### Promotion

```
-- Promotion Table Queries
/*
    Query to retrieve distinct discount amounts
    and promotionIDs, checks for discount amounts
    that are greater than 10, and orders by
    discount amount in ascending order
*/
SELECT DISTINCT DiscountAmount as "Discount", PromotionID as "Promotion ID"
FROM Promotion
WHERE DiscountAmount > 10
ORDER BY DiscountAmount ASC;

/*
    Query to retrieve distinct promotion ids
    and start and end dates then orders by
    StartDate in descending order
*/
SELECT DISTINCT PromotionID as "Promotion ID", StartDate as "Start Date", EndDate as "End Date"
FROM Promotion
ORDER BY StartDate DESC;
```

### Supplier

```
-- Supplier Table Queries
/*
    Query to retrieve distinct company names and
    their contact person, order by company name
    in ascending order
*/
SELECT DISTINCT Name as "Company Name", ContactPerson as "Contact Person's Name"
FROM Supplier
ORDER BY Name ASC;

/*
    Query to retrieve the contact name
    and count the number of suppliers for each
    contact person and order the results by
    the count in descending order
*/
SELECT ContactPerson as "Contact Person's Name", COUNT(*) as "Supplier Count"
FROM Supplier
GROUP BY ContactPerson
ORDER BY "Supplier Count" DESC;
```

## Manager

```
-- Manager Table Queries
/*
    Query to retrieve phone numbers and count
    the number of managers for each phone number
    and order the results by the count in descending
    order
*/
SELECT Phone as "Phone Number", COUNT(*) as "Manager Count"
FROM Manager
GROUP BY Phone
ORDER BY "Manager Count" DESC;

/*
    Query to retrieve distinct manager emails and
    phone numbers and order by email in ascending
    order
*/
SELECT DISTINCT Email as "Email Address", Phone as "Phone Number"
FROM Manager
ORDER BY Email ASC;
```

## Customer

```
-- Customer Table Queries
/*
    Query to count the number of customers with
    low loyalty where the condition is that if
    the number of loyalty points they have is
    less than 3000, then orders the results by
    the name in ascending order
*/
SELECT Name as "Customer Name", COUNT(*) as "Low Loyalty"
FROM Customer
WHERE LoyaltyPoints < 3000
GROUP BY Name
ORDER BY Name ASC;

/*
    Query to retrieve distinct customer emails and
    phone numbers, and order them by phone number in
    ascending order
*/
SELECT DISTINCT Email as "Email Address", Phone as "Phone Number"
FROM Customer
ORDER BY Phone ASC;
```

## Employee

<pre> -- Employee Table Queries /*     Query to calculate the average performance score     for each role and order the results by the average     score in descending order */ SELECT Role as "Employee Role", AVG(PerformanceScore) as "Average Performance Score" FROM Employee GROUP BY Role ORDER BY "Average Performance Score" ASC;  /*     Query to retrieve distinct employee roles and shifts     then order them by role in ascending order */ SELECT DISTINCT Role as "Employee Role", Shift as "Shift Times" FROM Employee ORDER BY Role ASC; </pre>
---

## Product

<pre> -- Product Table Queries /*     Query to count the number of products in each     category and order the results by the count     in descending order */ SELECT Category as "Categories", COUNT(*) as "Product Count" FROM Product GROUP BY Category ORDER BY "Product Count" DESC;  /*     Query to retrieve distinct product names and     prices and check for prices greater than \$20.00     then order the products by price in descending order */ SELECT DISTINCT Name as "Product Name", Price as "Price" FROM Product WHERE Price &gt; 20.00 ORDER BY Price DESC; </pre>
--

## Transaction

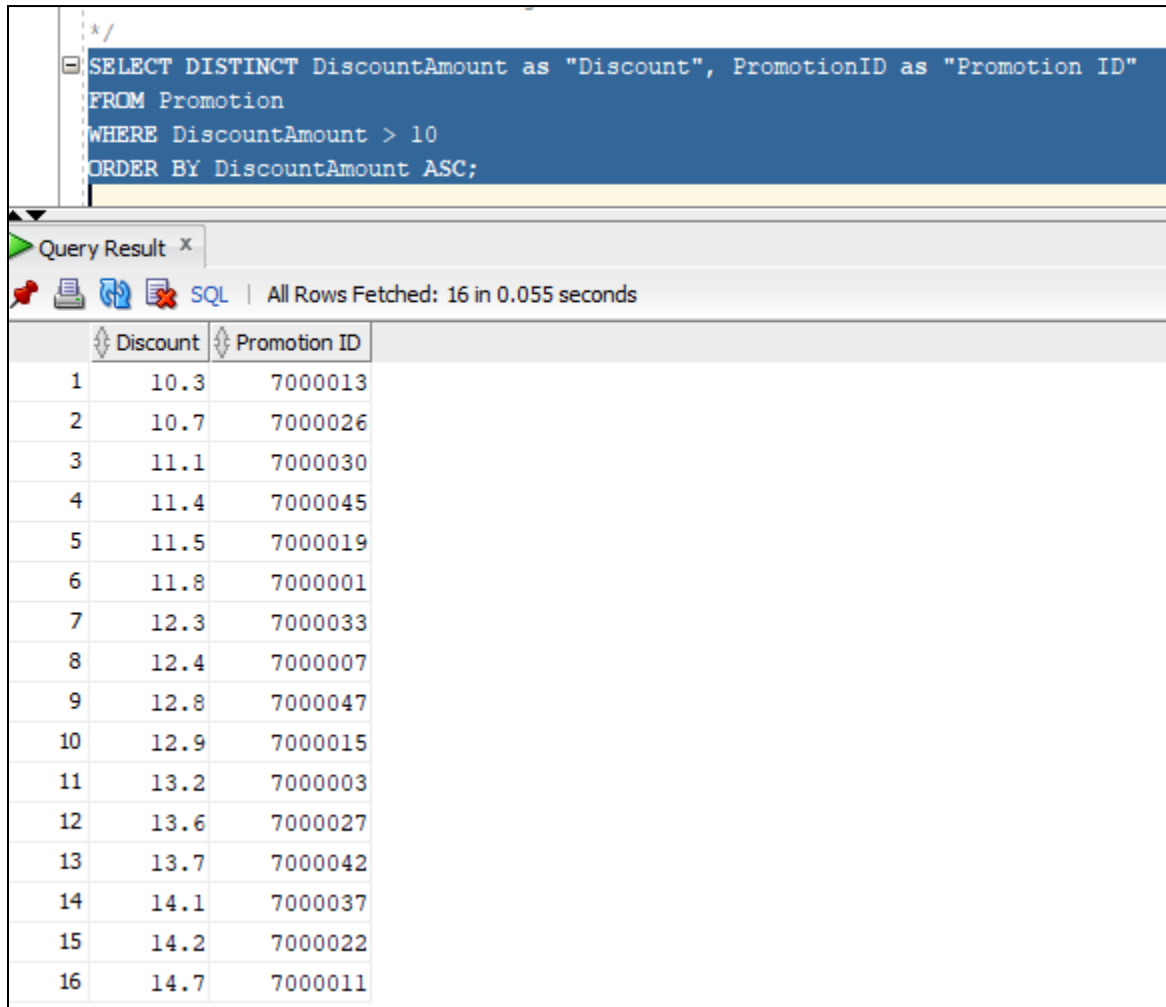
```
-- Transaction Table Queries
/*
    Query to retrieve the payment method and calculate
    the total sales amount for each payment method and order
    the results by the total sales amount in ascending order
*/
SELECT PaymentMethod as "Payment Method", SUM(TotalAmount) as "Total Sales ($)"
FROM Transaction
GROUP BY PaymentMethod
ORDER BY "Total Sales ($)" ASC;

/*
    Query to retrieve distinct payment methods and total amounts
    and order the total amounts in descending order
*/
SELECT DISTINCT PaymentMethod as "Payment Method", TotalAmount as "Total ($)"
FROM Transaction
ORDER BY TotalAmount DESC;
```

## Query Result

*\*Order is respective to Source Code*

Promotion




```
*/
SELECT DISTINCT DiscountAmount as "Discount", PromotionID as "Promotion ID"
FROM Promotion
WHERE DiscountAmount > 10
ORDER BY DiscountAmount ASC;
```

Query Result x

SQL | All Rows Fetched: 16 in 0.055 seconds

	Discount	Promotion ID
1	10.3	7000013
2	10.7	7000026
3	11.1	7000030
4	11.4	7000045
5	11.5	7000019
6	11.8	7000001
7	12.3	7000033
8	12.4	7000007
9	12.8	7000047
10	12.9	7000015
11	13.2	7000003
12	13.6	7000027
13	13.7	7000042
14	14.1	7000037
15	14.2	7000022
16	14.7	7000011

<pre> SELECT DISTINCT PromotionID as "Promotion ID", StartDate as "Start Date", EndDate as "End Date" FROM Promotion ORDER BY StartDate DESC; </pre>			
<pre> -- Supplier Table Queries /* Query to retrieve distinct company names and </pre>			
<b>Query Result</b> x			
   All Rows Fetched: 49 in 0.099 seconds			
	Promotion ID	Start Date	End Date
1	7000040	2026-05-20	2026-05-25
2	7000039	2026-04-05	2026-04-10
3	7000038	2026-03-10	2026-03-15
4	7000037	2026-02-01	2026-02-05
5	7000047	2026-01-15	2026-01-20
6	7000036	2026-01-15	2026-01-20
7	7000046	2025-12-01	2025-12-05
8	7000035	2025-12-01	2025-12-05
9	7000034	2025-11-20	2025-11-25
10	7000045	2025-11-20	2025-11-25
11	7000044	2025-10-12	2025-10-17
12	7000033	2025-10-12	2025-10-17
13	7000043	2025-09-05	2025-09-10
14	7000032	2025-09-05	2025-09-10
15	7000042	2025-08-10	2025-08-15
16	7000031	2025-08-10	2025-08-15
17	7000041	2025-07-15	2025-07-20
18	7000030	2025-07-15	2025-07-20
19	7000029	2025-06-02	2025-06-07
20	7000028	2025-05-20	2025-05-25
21	7000027	2025-04-05	2025-04-10
22	7000026	2025-03-10	2025-03-15
23	7000025	2025-02-01	2025-02-05

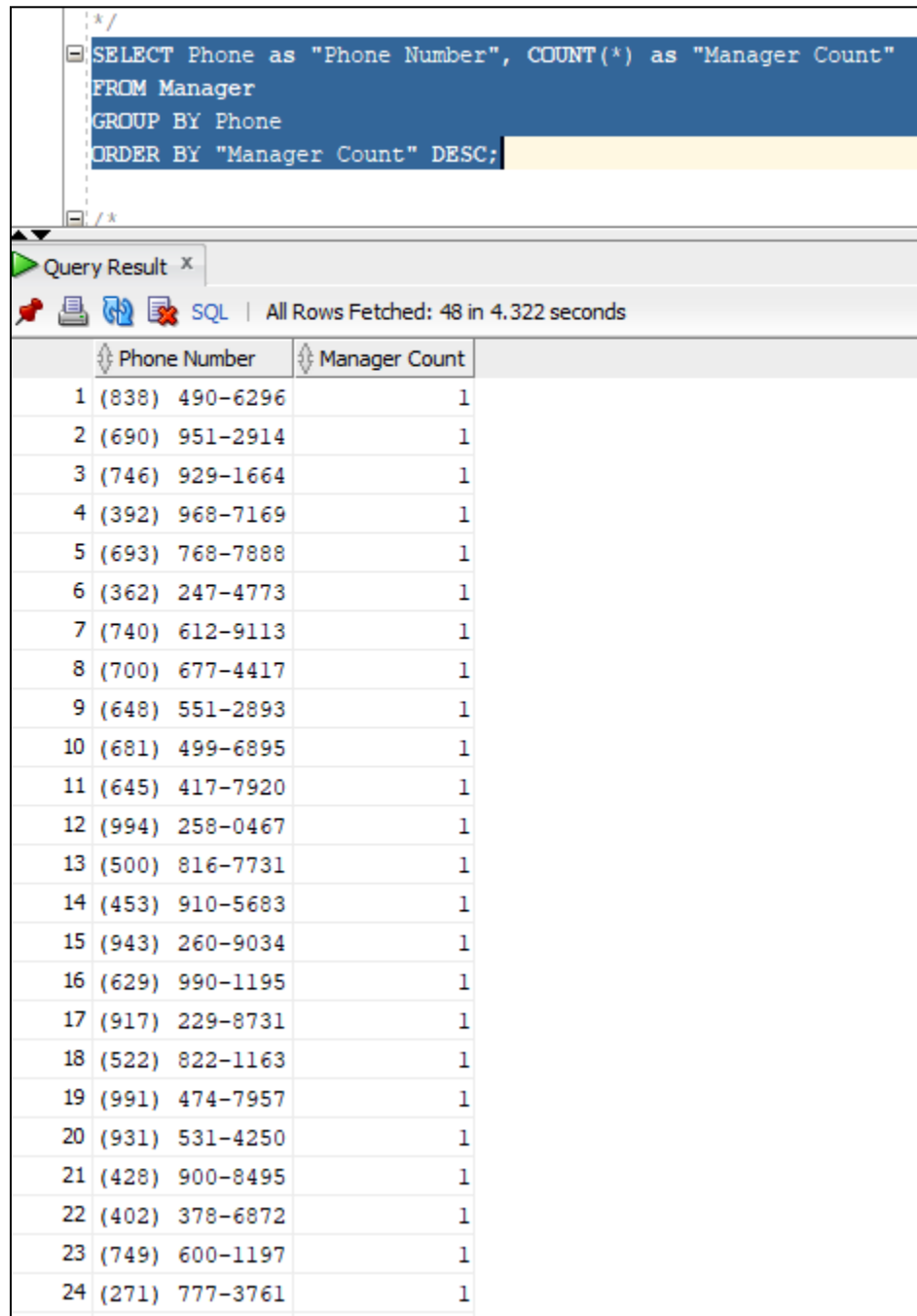
## Supplier

<pre> SELECT DISTINCT Name as "Company Name", ContactPerson as "Contact Person's Name" FROM Supplier ORDER BY Name ASC; </pre>		
Query to retrieve the contact name		
Query Result x		
SQL   All Rows Fetched: 48 in 8.478 seconds		
Company Name	Contact Person's Name	
1 Alpha Dynamics	Ava Wilson	
2 AlphaWave Industries	Mason Mitchell	
3 Atlas Dynamics	Scarlett Allen	
4 Beacon Group	Grace Hill	
5 Blackstone Innovations	Elijah Scott	
6 BlueRidge Consulting	Chloe Collins	
7 BlueSky Consulting	Daniel Moore	
8 Celestial Innovations	Madison Turner	
9 CrystalClear Solutions	Harper Wright	
10 CrystalTech Industries	Benjamin Lee	
11 EchoTech Solutions	Michael Thompson	
12 Elevate Industries	Olivia Reed	
13 Evergreen Innovations	Jackson Morgan	
14 Fusion Dynamics	Samuel Wright	
15 Fusion Enterprises	James Martinez	
16 GoldStar Enterprises	Lily Adams	
17 GreenWave Enterprises	Abigail Turner	
18 Horizon Industries	Samuel Baker	
19 HorizonTech Innovations	Daniel Johnson	
20 Infinity Strategies	Matthew Lewis	
21 Mercury Holdings	Emily Garcia	
22 MercuryWave Services	Addison Adams	
23 Nexus Technologies	Joseph Young	



<pre> SELECT ContactPerson as "Contact Person's Name", COUNT(*) as "Supplier Count" FROM Supplier GROUP BY ContactPerson ORDER BY "Supplier Count" DESC; </pre>		
Query Result x		
SQL   All Rows Fetched: 48 in 0.707 seconds		
Contact Person's Name	Supplier Count	
1 Sophia Davis	1	
2 Christopher Perez	1	
3 Samuel Baker	1	
4 David Walker	1	
5 Samuel Hayes	1	
6 Daniel Johnson	1	
7 Addison Adams	1	
8 Harper Jackson	1	
9 Benjamin Reed	1	
10 Daniel Green	1	
11 Chloe Collins	1	
12 William Anderson	1	
13 Grace Hill	1	
14 Samuel Wright	1	
15 Addison King	1	
16 Zoey Butler	1	
17 Olivia Reed	1	
18 Mia Brown	1	
19 Matthew Lewis	1	
20 Victoria Nelson	1	
21 Elizabeth Powell	1	
22 Harper Wright	1	
23 Daniel Moore	1	

## Manager



```
SELECT Phone as "Phone Number", COUNT(*) as "Manager Count"
FROM Manager
GROUP BY Phone
ORDER BY "Manager Count" DESC;
```

Query Result x


SQL | All Rows Fetched: 48 in 4.322 seconds

	Phone Number	Manager Count
1	(838) 490-6296	1
2	(690) 951-2914	1
3	(746) 929-1664	1
4	(392) 968-7169	1
5	(693) 768-7888	1
6	(362) 247-4773	1
7	(740) 612-9113	1
8	(700) 677-4417	1
9	(648) 551-2893	1
10	(681) 499-6895	1
11	(645) 417-7920	1
12	(994) 258-0467	1
13	(500) 816-7731	1
14	(453) 910-5683	1
15	(943) 260-9034	1
16	(629) 990-1195	1
17	(917) 229-8731	1
18	(522) 822-1163	1
19	(991) 474-7957	1
20	(931) 531-4250	1
21	(428) 900-8495	1
22	(402) 378-6872	1
23	(749) 600-1197	1
24	(271) 777-3761	1

*/		
SELECT DISTINCT Email as "Email Address", Phone as "Phone Number"		
FROM Manager		
ORDER BY Email ASC;		
-- Customer Table Queries		
Query Result x		
SQL   All Rows Fetched: 48 in 0.088 seconds		
Email Address	Phone Number	
1 Abigail Moore@manageremail.com	(949) 925-6849	
2 Addison Nelson@manageremail.com	(428) 900-8495	
3 Aiden Collins@manageremail.com	(812) 704-9313	
4 Alexander Reed@manageremail.com	(648) 551-2893	
5 Alexander White@manageremail.com	(999) 422-0105	
6 Amelia Clark@manageremail.com	(740) 612-9113	
7 Ava Butler@manageremail.com	(534) 859-3825	
8 Ava Wilson@manageremail.com	(873) 754-4068	
9 Avery Baker@manageremail.com	(272) 823-0313	
10 Benjamin Green@manageremail.com	(522) 822-1163	
11 Benjamin Lee@manageremail.com	(763) 946-3410	
12 Benjamin Scott@manageremail.com	(289) 279-5665	
13 Charlotte Jackson@manageremail.com	(362) 247-4773	
14 Chloe Cooper@manageremail.com	(648) 477-0570	
15 Christopher Allen@manageremail.com	(500) 816-7731	
16 Daniel Harris@manageremail.com	(917) 229-8731	
17 Daniel Murphy@manageremail.com	(570) 609-8699	
18 David King@manageremail.com	(300) 757-7109	
19 Elijah Carter@manageremail.com	(504) 260-1420	
20 Elizabeth Mitchell@manageremail.com	(630) 303-2938	
21 Emily Lewis@manageremail.com	(994) 258-0467	
22 Ethan Davis@manageremail.com	(693) 768-7888	
23 Grace Adams@manageremail.com	(453) 910-5683	
24 Harper Bailey@manageremail.com	(503) 606-2156	

## Customer

*/		
SELECT Name as "Customer Name", COUNT(*) as "Low Loyalty"		
FROM Customer		
WHERE LoyaltyPoints < 3000		
GROUP BY Name		
ORDER BY Name ASC;		
Query Result x		
SQL   All Rows Fetched: 23 in 0.021 seconds		
	Customer Name	Low Loyalty
1	Addison Nelson	1
2	Aiden Collins	1
3	Amelia Clark	1
4	Ava Wilson	1
5	Avery Baker	1
6	Benjamin Green	1
7	Benjamin Lee	1
8	Elizabeth Mitchell	1
9	Grace Adams	1
10	James Garcia	1
11	Joseph Powell	1
12	Joseph Walker	1
13	Lily Rivera	1
14	Mason Morgan	1
15	Mia Brown	1
16	Mia Ward	1
17	Michael Turner	1
18	Samuel Hill	1
19	Samuel Ross	1
20	Scarlett Wright	1
21	Sophia Martinez	1
22	Victoria Foster	1
23	Zoey Jenkins	1

<pre> SELECT DISTINCT Email as "Email Address", Phone as "Phone Number" FROM Customer ORDER BY Phone ASC; </pre>		
Query Result x		
   All Rows Fetched: 48 in 0.092 seconds		
	Email Address	Phone Number
1	Victoria Foster@email.com	(210) 335-3682
2	Mia Brown@email.com	(246) 586-2265
3	Benjamin Scott@email.com	(255) 712-8211
4	Joseph Walker@email.com	(271) 649-7454
5	Ava Wilson@email.com	(280) 274-7032
6	Mia Ward@email.com	(290) 475-9393
7	Joseph Powell@email.com	(305) 206-6238
8	Lily Rivera@email.com	(310) 417-8222
9	Ethan Davis@email.com	(315) 685-8825
10	Benjamin Lee@email.com	(323) 892-5657
11	Madison Young@email.com	(326) 496-3122
12	Elijah Carter@email.com	(372) 620-2046
13	William Anderson@email.com	(375) 352-3032
14	Sofia Perez@email.com	(380) 393-2342
15	Harper Bailey@email.com	(410) 700-2742
16	Charlotte Jackson@email.com	(441) 395-2264
17	Elizabeth Mitchell@email.com	(454) 513-2128
18	William Hayes@email.com	(476) 450-5156
19	Aiden Collins@email.com	(504) 353-4800
20	Avery Baker@email.com	(516) 226-7261
21	Amelia Clark@email.com	(525) 247-4089
22	Abigail Moore@email.com	(565) 844-6683
23	Alexander Reed@email.com	(567) 476-0460
24	Michael Turner@email.com	(588) 238-8347

## Employee


<pre>SELECT Role as "Employee Role", AVG(PerformanceScore) as "Average Performance Score" FROM Employee GROUP BY Role ORDER BY "Average Performance Score" ASC;</pre>	
Query Result x	
SQL   All Rows Fetched: 4 in 0.142 seconds	
Employee Role	Average Performance Score
1 Stock	3.78571428571428571428571428571429
2 Cashier	4.45454545454545454545454545454545
3 Beauty Advisor	4.46666666666666666666666666666667
4 Sales Associate	4.5

*/		
SELECT DISTINCT Role as "Employee Role", Shift as "Shift Times"		
FROM Employee		
ORDER BY Role ASC;		
-- Product Table Queries		
/*		
Query Result x		
SQL   All Rows Fetched: 28 in 0.017 seconds		
Employee Role	Shift Times	
1 Beauty Advisor	Friday, 11:00 PM - 7:00 AM	
2 Beauty Advisor	Friday, 8:00 AM - 4:00 PM	
3 Beauty Advisor	Monday, 6:30 AM - 2:30 PM	
4 Beauty Advisor	Saturday, 1:00 PM - 9:00 PM	
5 Beauty Advisor	Sunday, 10:00 PM - 6:00 AM	
6 Beauty Advisor	Thursday, 12:00 PM - 8:00 PM	
7 Beauty Advisor	Thursday, 9:00 AM - 5:00 PM	
8 Beauty Advisor	Wednesday, 4:00 PM - 12:00 AM	
9 Cashier	Friday, 11:00 PM - 7:00 AM	
10 Cashier	Monday, 6:30 AM - 2:30 PM	
11 Cashier	Saturday, 1:00 PM - 9:00 PM	
12 Cashier	Thursday, 12:00 PM - 8:00 PM	
13 Cashier	Tuesday, 3:30 AM - 11:30 AM	
14 Cashier	Wednesday, 4:00 PM - 12:00 AM	
15 Sales Associate	Friday, 11:00 PM - 7:00 AM	
16 Sales Associate	Friday, 8:00 AM - 4:00 PM	
17 Sales Associate	Monday, 6:30 AM - 2:30 PM	
18 Sales Associate	Saturday, 1:00 PM - 9:00 PM	
19 Sales Associate	Thursday, 9:00 AM - 5:00 PM	
20 Sales Associate	Tuesday, 3:30 AM - 11:30 AM	
21 Stock	Friday, 8:00 AM - 4:00 PM	
22 Stock	Monday, 6:30 AM - 2:30 PM	
23 Stock	Saturday, 1:00 PM - 9:00 PM	
24 Stock	Thursday, 12:00 PM - 8:00 PM	









## Product





<pre>SELECT Category as "Categories", COUNT(*) as "Product Count" FROM Product GROUP BY Category ORDER BY "Product Count" DESC;</pre>	
Query Result x	
SQL   All Rows Fetched: 47 in 4.413 seconds	
Categories	Product Count
1 Comic Books	1
2 Educational Apps	1
3 Urban Farming Supplies	1
4 Virtual Cooking Classes	1
5 Fitness Equipment	1
6 Art Supplies	1
7 Sustainable Fashion	1
8 Children's Toys	1
9 Sports Memorabilia	1
10 DIY Home Improvement	1
11 Retro Video Games	1
12 Wildlife Photography	1
13 Local Artisanal Foods	1
14 Antique Watches	1
15 Gardening Tools	1
16 Classic Film Noir Movies	1
17 Outdoor Adventure Gear	1
18 Vintage Clothing	1
19 Camping Gear	1
20 Specialty Coffee Beans	1
21 Collectible Coins	1
22 Natural Skincare Products	1
23 Sustainable Architecture	1
24 DIY Craft Kits	1
25 Organic Foods	1



<pre> SELECT DISTINCT Name as "Product Name", Price as "Price" FROM Product WHERE Price &gt; 20.00 ORDER BY Price DESC; </pre>		
Query Result x		
   All Rows Fetched: 38 in 0.03 seconds		
	Product Name	Price
1	table	99.23
2	socks	98.76
3	nail clippers	97.36
4	thermometer	97
5	bottle of paint	92.18
6	toothbrush	87.96
7	knife	86.16
8	rat	82.53
9	pocketwatch	76.15
10	bed	75.65
11	plush bear	73.84
12	blowdryer	67.97
13	remote	65.21
14	pair of earrings	64.51
15	shoe lace	62.24
16	flyswatter	61.88
17	roll of gauze	60.7
18	book	58.7
19	martini glass	52.96
20	window	52.71
21	tea cup	50.07
22	flowers	48.1
23	spool of wire	46.03
24	toy robot	45.74

## Transaction

 SELECT PaymentMethod as "Payment Method", SUM(TotalAmount) as "Total Sales (\$)" FROM Transaction GROUP BY PaymentMethod ORDER BY "Total Sales (\$)" ASC;	
 Query Result x	
    SQL   All Rows Fetched: 2 in 11.896 seconds	
 Payment Method	 Total Sales (\$)
1 Credit	891.86
2 Cash	1496.06

<pre>SELECT DISTINCT PaymentMethod as "Payment Method", TotalAmount as "Total (\$)" FROM Transaction ORDER BY TotalAmount DESC;</pre>		
Query Result x		
    SQL   All Rows Fetched: 49 in 0.018 seconds		
	Payment Method	Total (\$)
1	Cash	96.09
2	Credit	91.89
3	Cash	89.85
4	Credit	89.41
5	Cash	87.09
6	Cash	86.63
7	Credit	83.39
8	Cash	81.23
9	Credit	79.46
10	Cash	74.82
11	Cash	72.63
12	Cash	70.98
13	Cash	68.65
14	Cash	64.94
15	Credit	63.77
16	Credit	63.69
17	Cash	61.09
18	Credit	60.3
19	Credit	58.51
20	Cash	58.19
21	Cash	57.96
22	Cash	55.96
23	Cash	50.66
24	Cash	49.14
25	Cash	47.85
26	Cash	46.46