

S01 - SQL SELECT Statement

1. Return all columns (and rows) from the B_CUSTOMERS table.

CUSTOMER_ID	CUSTOMER_NAME	STREET	CITY	CUST_STATE	ZIP	COUNTRY	CREDIT_LIMIT	BALANCE	DISCOUNT	SELLER_ID
100	Everything Electronics	8639 24TH Avenue	Fort Gratiot	MI	48059	US	38000.00	24500.75	0.020	15
110	Worldwide Digital Inc.	9119 North West Ave	Rochester	MN	55901	US	60000.00	27560.85	0.105	35
120	Best Digital Products	9339 Exmouth Street	Sarnia	ON	N7S 3X9	CA	42500.00	12860.50	0.020	65
130	Worldwide Digital Inc.	26388 Yonge Street	Newmarket	ON	L3Y 8S1	CA	35000.00	18575.75	0.010	65
140	Big Box Digital	9463 South Coulter	Amarillo	TX	79121	US	54500.00	34240.20	0.125	35
150	Big Box Digital	2757 College Avenue	San Diego	CA	92115	US	55000.00	41712.17	0.000	25
160	billy's toys	5151 Mission Road	San Diego	CA	92108	US	75000.00	57583.65	0.000	25
170	Star-Mart Store #2177	3382 Murphy Road	sAn diEgo	CA	92123	US	99000.00	75732.19	0.000	25
180	Technology R Us	2342 W.250Th St	New Hartford	NY	13413	US	55000.00	40012.50	0.000	55
190	Digital Junkies.	9522 2Nd Ct	Syracuse	NY	13290	US	60000.00	25600.85	0.105	55
200	Best Electronics	7673 N Academy Blvd	Colorado Spring	CO	80920	US	30000.00	16000.50	0.060	35
210	Armstrong Digital	5390 Wadsworth Blvd	Lakewood	CO	80124	US	25000.00	24900.66	0.040	35
220	Best Bargain	3150 Center Point Rd	Colorado Spring	CO	80922	US	26000.00	25900.47	0.020	35
230	Best Digital Products	9588 52ND Street	Kenoshia	WI	53144	US	37500.00	12375.85	0.020	45
240	Everything Electronics	8383 8TH Street	Wisconsin Rapids	WI	54494	US	28550.00	23401.25	0.050	15
250	Big Box Digital	2757 Airport Bld	Columbia	SC	92115	US	55000.00	30012.50	0.000	55
260	Worldwide Digital Inc.	9119 Dumber St	Spartanburg	SC	55901	US	60000.00	25600.85	0.105	55
270	Best Digital Products	9339 E Palmetto St	Florence	SC	N7S 3X9	US	42500.00	18600.50	0.020	55
280	Frys Electronics	6845 Las Vegas Blvd	Las Vegas	NV	89119	US	68200.00	41200.70	0.050	35
290	Jerry's Sports	10950 West Blvd	Las Vegas	NV	89135	US	57000.00	13375.85	0.100	35
300	Office Depot	2202 Harvard Way	Reno	NV	89502	US	31550.00	24201.33	0.045	35

2. Return customer id, customer name, customer city, customer state, customer country, balance, and credit limit in a column-list for all column (and rows) from the B_CUSTOMERS table.

CUSTOMER_ID	CUSTOMER_NAME	CITY	STATE	COUNTRY	BALANCE	CREDIT_LIMIT
100	Everything Electronics	Fort Gratiot	MI	US	24500.75	38000.00
110	Worldwide Digital Inc.	Rochester	MN	US	27560.85	60000.00
120	Best Digital Products	Sarnia	ON	CA	12860.50	42500.00
130	Worldwide Digital Inc.	Newmarket	ON	CA	18575.75	35000.00
140	Big Box Digital	Amarillo	TX	US	34240.20	54500.00
150	Big Box Digital	San Diego	CA	US	41712.17	55000.00
160	billy's toys	San Diego	CA	US	57583.65	75000.00
170	Star-Mart Store #2177	sAn diEgo	CA	US	75732.19	99000.00
180	Technology R Us	New Hartford	NY	US	40012.50	55000.00
190	Digital Junkies.	Syracuse	NY	US	25600.85	60000.00
200	Best Electronics	Colorado Spring	CO	US	16000.50	30000.00
210	Armstrong Digital	Lakewood	CO	US	24900.66	25000.00
220	Best Bargain	Colorado Spring	CO	US	25900.47	26000.00
230	Best Digital Products	Kenoshia	WI	US	12375.85	37500.00
240	Everything Electronics	Wisconsin Rapids	WI	US	23401.25	28550.00
250	Big Box Digital	Columbia	SC	US	30012.50	55000.00
260	Worldwide Digital Inc.	Spartanburg	SC	US	25600.85	60000.00
270	Best Digital Products	Florence	SC	US	18600.50	42500.00
280	Frys Electronics	Las Vegas	NV	US	41200.70	68200.00
290	Jerry's Sports	Las Vegas	NV	US	13375.85	57000.00
300	Office Depot	Reno	NV	US	24201.33	31550.00

3. Return customer name, credit limit, and balance for all rows in the B_CUSTOMERS table.

CUSTOMER_NAME	CREDIT_LIMIT	BALANCE
Everything Electronics	38000.00	24500.75
Worldwide Digital Inc.	60000.00	27560.85
Best Digital Products	42500.00	12860.50
Worldwide Digital Inc.	35000.00	18575.75
Big Box Digital	54500.00	34240.20
Big Box Digital	55000.00	41712.17
billy's toys	75000.00	57583.65
Star-Mart Store #2177	99000.00	75732.19
Technology R Us	55000.00	40012.50
Digital Junkies.	60000.00	25600.85
Best Electronics	30000.00	16000.50
Armstrong Digital	25000.00	24900.66
Best Bargain	26000.00	25900.47
Best Digital Products	37500.00	12375.85
Everything Electronics	28550.00	23401.25
Big Box Digital	55000.00	30012.50
Worldwide Digital Inc.	60000.00	25600.85
Best Digital Products	42500.00	18600.50
Frys Electronics	68200.00	41200.70
Jerry's Sports	57000.00	13375.85
Office Depot	31550.00	24201.33

4. Return customer name, balance, and credit limit for all rows in the B_CUSTOMERS table.

CUSTOMER_NAME	BALANCE	CREDIT_LIMIT
Everything Electronics	24500.75	38000.00
Worldwide Digital Inc.	27560.85	60000.00
Best Digital Products	12860.50	42500.00
Worldwide Digital Inc.	18575.75	35000.00
Big Box Digital	34240.20	54500.00
Big Box Digital	41712.17	55000.00
billy's toys	57583.65	75000.00
Star-Mart Store #2177	75732.19	99000.00
Technology R Us	40012.50	55000.00
Digital Junkies.	25600.85	60000.00
Best Electronics	16000.50	30000.00
Armstrong Digital	24900.66	25000.00
Best Bargain	25900.47	26000.00
Best Digital Products	12375.85	37500.00
Everything Electronics	23401.25	28550.00
Big Box Digital	30012.50	55000.00
Worldwide Digital Inc.	25600.85	60000.00
Best Digital Products	18600.50	42500.00
Frys Electronics	41200.70	68200.00
Jerry's Sports	13375.85	57000.00
Office Depot	24201.33	31550.00

5. Return customer name for all rows in the B_CUSTOMERS table.

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CUSTOMER_NAME |
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Everything Electronics |
Worldwide Digital Inc. |
Best Digital Products |
Worldwide Digital Inc. |
Big Box Digital |
Big Box Digital |
billy's toys |
Star-Mart Store #2177 |
Technology R Us |
Digital Junkies. |
Best Electronics |
Armstrong Digital |
Best Bargain |
Best Digital Products |
Everything Electronics |
Big Box Digital |
Worldwide Digital Inc. |
Best Digital Products |
Frys Electronics |
Jerry's Sports |
Office Depot |
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6. Return customer name and new credit limit (credit limit * 1.12) for all rows in the B_CUSTOMERS table. Do not use column aliases.

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CUSTOMER_NAME |00002 |
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Everything Electronics | 42560.0000 |
Worldwide Digital Inc. | 67200.0000 |
Best Digital Products | 47600.0000 |
Worldwide Digital Inc. | 39200.0000 |
Big Box Digital | 61040.0000 |
Big Box Digital | 61600.0000 |
billy's toys | 84000.0000 |
Star-Mart Store #2177 | 110880.0000 |
Technology R Us | 61600.0000 |
Digital Junkies. | 67200.0000 |
Best Electronics | 33600.0000 |
Armstrong Digital | 28000.0000 |
Best Bargain | 29120.0000 |
Best Digital Products | 42000.0000 |
Everything Electronics | 31976.0000 |
Big Box Digital | 61600.0000 |
Worldwide Digital Inc. | 67200.0000 |
Best Digital Products | 47600.0000 |
Frys Electronics | 76384.0000 |
Jerry's Sports | 63840.0000 |
Office Depot | 35336.0000 |
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7. Return customer name as "Customer Name" and customer city as "City" for all rows in the B_CUSTOMERS table. Use column aliases.

Customer Name	City
Everything Electronics	Fort Gratiot
Worldwide Digital Inc.	Rochester
Best Digital Products	Sarnia
Worldwide Digital Inc.	Newmarket
Big Box Digital	Amarillo
Big Box Digital	San Diego
billy's toys	San Diego
Star-Mart Store #2177	sAn diEgo
Technology R Us	New Hartford
Digital Junkies.	Syracuse
Best Electronics	Colorado Spring
Armstrong Digital	Lakewood
Best Bargain	Colorado Spring
Best Digital Products	Kenoshia
Everything Electronics	Wisconsin Rapids
Big Box Digital	Columbia
Worldwide Digital Inc.	Spartanburg
Best Digital Products	Florence
Frys Electronics	Las Vegas
Jerry's Sports	Las Vegas
Office Depot	Reno

8. Return customer name, credit limit as old_credit_limit, new credit limit (credit limit * 1.12) as new_credit_limit for all rows in the B_CUSTOMERS table. Use aliases.

CUSTOMER_NAME	OLD_CREDIT_LIMIT	NEW_CREDIT_LIMIT
Everything Electronics	38000.00	42560.0000
Worldwide Digital Inc.	60000.00	67200.0000
Best Digital Products	42500.00	47600.0000
Worldwide Digital Inc.	35000.00	39200.0000
Big Box Digital	54500.00	61040.0000
Big Box Digital	55000.00	61600.0000
billy's toys	75000.00	84000.0000
Star-Mart Store #2177	99000.00	110880.0000
Technology R Us	55000.00	61600.0000
Digital Junkies.	60000.00	67200.0000
Best Electronics	30000.00	33600.0000
Armstrong Digital	25000.00	28000.0000
Best Bargain	26000.00	29120.0000
Best Digital Products	37500.00	42000.0000
Everything Electronics	28550.00	31976.0000
Big Box Digital	55000.00	61600.0000
Worldwide Digital Inc.	60000.00	67200.0000
Best Digital Products	42500.00	47600.0000
Frys Electronics	68200.00	76384.0000
Jerry's Sports	57000.00	63840.0000
Office Depot	31550.00	35336.0000

9. Return customer id as "Customer," customer name as "Customer Name," and available credit (credit limit – balance) as "Available Credit" for all rows in the C8_CUSTOMERS table.

Customer	Customer Name	Available Credit
100	Everything Electronics	13499.25
110	Worldwide Digital Inc.	32439.15
120	Best Digital Products	29639.50
130	Worldwide Digital Inc.	16424.25
140	Big Box Digital	20259.80
150	Big Box Digital	13287.83
160	billy's toys	17416.35
170	Star-Mart Store #2177	23267.81
180	Technology R Us	14987.50
190	Digital Junkies.	34399.15
200	Best Electronics	13999.50
210	Armstrong Digital	99.34
220	Best Bargain	99.53
230	Best Digital Products	25124.15
240	Everything Electronics	5148.75
250	Big Box Digital	24987.50
260	Worldwide Digital Inc.	34399.15
270	Best Digital Products	23899.50
280	Frys Electronics	26999.30
290	Jerry's Sports	43624.15
300	Office Depot	7348.67

10. Return customer name, customer city, customer state, and customer country. Concatenate customer city, customer state, and customer country as shown.

CUSTOMER_NAME	ADDRESS
Everything Electronics	Fort GratiotMIUS
Worldwide Digital Inc.	RochesterMNUS
Best Digital Products	SarniaONCA
Worldwide Digital Inc.	NewmarketONCA
Big Box Digital	AmarilloTXUS
Big Box Digital	San DiegoCAUS
billy's toys	San DiegoCAUS
Star-Mart Store #2177	sAn diEgoCAUS
Technology R Us	New HartfordNYUS
Digital Junkies.	SyracuseNYUS
Best Electronics	Colorado SpringCOUS
Armstrong Digital	LakewoodCOUS
Best Bargain	Colorado SpringCOUS
Best Digital Products	KenoshiaWIUS
Everything Electronics	Wisconsin RapidsWIUS
Big Box Digital	ColumbiaSCUS
Worldwide Digital Inc.	SpartanburgSCUS
Best Digital Products	FlorenceSCUS
Frys Electronics	Las VegasNVUS
Jerry's Sports	Las VegasNVUS
Office Depot	RenoNVUS

11. Return customer name, customer city, customer state, and customer country. Concatenate customer city, customer state, and customer country as shown.

CUSTOMER_NAME	ADDRESS
Everything Electronics	Fort Gratiot, MI US
Worldwide Digital Inc.	Rochester, MN US
Best Digital Products	Sarnia, ON CA
Worldwide Digital Inc.	Newmarket, ON CA
Big Box Digital	Amarillo, TX US
Big Box Digital	San Diego, CA US
billy's toys	San Diego, CA US
Star-Mart Store #2177	sAn diEgo, CA US
Technology R Us	New Hartford, NY US
Digital Junkies.	Syracuse, NY US
Best Electronics	Colorado Spring, CO US
Armstrong Digital	Lakewood, CO US
Best Bargain	Colorado Spring, CO US
Best Digital Products	Kenoshia, WI US
Everything Electronics	Wisconsin Rapids, WI US
Big Box Digital	Columbia, SC US
Worldwide Digital Inc.	Spartanburg, SC US
Best Digital Products	Florence, SC US
Frys Electronics	Las Vegas, NV US
Jerry's Sports	Las Vegas, NV US
Office Depot	Reno, NV US

12. Return customer balance. Use literals in the SELECT statement as shown.

Customer Balance
Everything Electronics has a balance of 24500.75
Worldwide Digital Inc. has a balance of 27560.85
Best Digital Products has a balance of 12860.50
Worldwide Digital Inc. has a balance of 18575.75
Big Box Digital has a balance of 34240.20
Big Box Digital has a balance of 41712.17
billy's toys has a balance of 57583.65
Star-Mart Store #2177 has a balance of 75732.19
Technology R Us has a balance of 40012.50
Digital Junkies. has a balance of 25600.85
Best Electronics has a balance of 16000.50
Armstrong Digital has a balance of 24900.66
Best Bargain has a balance of 25900.47
Best Digital Products has a balance of 12375.85
Everything Electronics has a balance of 23401.25
Big Box Digital has a balance of 30012.50
Worldwide Digital Inc. has a balance of 25600.85
Best Digital Products has a balance of 18600.50
Frys Electronics has a balance of 41200.70
Jerry's Sports has a balance of 13375.85
Office Depot has a balance of 24201.33

13. Generate the output shown below.

Customer Location
Customer 100 is located in Fort Gratiot, MI
Customer 110 is located in Rochester, MN
Customer 120 is located in Sarnia, ON
Customer 130 is located in Newmarket, ON
Customer 140 is located in Amarillo, TX
Customer 150 is located in San Diego, CA
Customer 160 is located in San Diego, CA
Customer 170 is located in sAn diEgo, CA
Customer 180 is located in New Hartford, NY
Customer 190 is located in Syracuse, NY
Customer 200 is located in Colorado Spring, CO
Customer 210 is located in Lakewood, CO
Customer 220 is located in Colorado Spring, CO
Customer 230 is located in Kenoshia, WI
Customer 240 is located in Wisconsin Rapids, WI
Customer 250 is located in Columbia, SC
Customer 260 is located in Spartanburg, SC
Customer 270 is located in Florence, SC
Customer 280 is located in Las Vegas, NV
Customer 290 is located in Las Vegas, NV
Customer 300 is located in Reno, NV

14. Return customer name from the B_CUSTOMERS table. How many are listed?

CUSTOMER_NAME
Everything Electronics
Worldwide Digital Inc
Best Digital Products
Worldwide Digital Inc
Big Box Digital
Big Box Digital
billy's toys
Star-Mart Store #2177
Technology R Us
Digital Junkies
Best Electronics
Armstrong Digital
Best Bargain
Best Digital Products
Everything Electronics
Big Box Digital
Worldwide Digital Inc
Best Digital Products
Frys Electronics
Jerry's Sports
Office Depot

15. Return customer name from the B_CUSTOMERS table. Include each customer name only once. How many are listed?

CUSTOMER_NAME
Star-Mart Store #2177
Best Electronics
Armstrong Digital
Best Bargain
billy's toys
Digital Junkies
Big Box Digital
Everything Electronics
Jerry's Sports
Worldwide Digital Inc
Frys Electronics
Technology R Us
Office Depot
Best Digital Products