

1. List all customers from USA:-

	customerNumber	customerName	city	state	country
▶	112	Signal Gift Stores	Las Vegas	NV	USA
	124	Mini Gifts Distributors Ltd.	San Rafael	CA	USA
	129	Mini Wheels Co.	San Francisco	CA	USA
	131	Land of Toys Inc.	NYC	NY	USA
	151	Muscle Machine Inc	NYC	NY	USA
	157	Diecast Classics Inc.	Allentown	PA	USA
	161	Technics Stores Inc.	Burlingame	CA	USA
	168	American Souvenirs Inc	New Haven	CT	USA
	173	Cambridge Collectables Co.	Cambridge	MA	USA
	175	Gift Depot Inc.	Bridgewater	CT	USA
	181	Vitachrome Inc.	NYC	NY	USA
	198	Auto-Moto Classics Inc.	Brickhaven	MA	USA
	204	Online Mini Collectables	Brickhaven	MA	USA
	205	Toys4GrownUps.com	Pasadena	CA	USA
	219	Boards & Toys Co.	Glendale	CA	USA
	239	Collectable Mini Designs Co.	San Diego	CA	USA
	286	Marta's Replicas Co.	Cambridge	MA	USA
	319	Mini Classics	White Plains	NY	USA
*	320	Mini Creations I ltd.	New Bedford	MA	USA

2. Show all products where stock is less than 500 units:-

	productCode	productName	productLine	quantityInStock
▶	S12_1099	1968 Ford Mustang	Classic Cars	68
	S24_2000	1960 BSA Gold Star DBD34	Motorcycles	15
	S32_1374	1997 BMW F650 ST	Motorcycles	178
	S32_4289	1928 Ford Phaeton Deluxe	Vintage Cars	136
	S72_3212	Pont Yacht	Ships	414
*	HULL	HULL	HULL	HULL

3. Find employees working in the Paris office:-

	employeeNumber	firstName	lastName	jobTitle	officeCode	city
▶	1102	Gerard	Bondur	Sale Manager (EMEA)	4	Paris
	1337	Loui	Bondur	Sales Rep	4	Paris
	1370	Gerard	Hernandez	Sales Rep	4	Paris
	1401	Pamela	Castillo	Sales Rep	4	Paris
	1702	Martin	Gerard	Sales Rep	4	Paris

4. Get orders with status = 'Cancelled':-

	orderNumber	orderDate	shippedDate	status	comments	customerNumber
▶	10167	2003-10-23	NULL	Cancelled	Customer called to cancel. The warehouse was ...	448
	10179	2003-11-11	2003-11-13	Cancelled	Customer cancelled due to urgent budgeting iss...	496
	10248	2004-05-07	NULL	Cancelled	Order was mistakenly placed. The warehouse n...	131
	10253	2004-06-01	2004-06-02	Cancelled	Customer disputed the order and we agreed to ...	201
	10260	2004-06-16	NULL	Cancelled	Customer heard complaints from their customer...	357
	10262	2004-06-24	NULL	Cancelled	This customer found a better offer from one of ...	141
*	HULL	HULL	HULL	NULL	NULL	NULL

5. List all customers whose credit limit > 100000:-

	customerNumber	customerName	country	salesRepEmployeeNumber	creditLimit
▶	114	Australian Collectors, Co.	Australia	1611	117300.00
	119	La Rochelle Gifts	France	1370	118200.00
	124	Mini Gifts Distributors Ltd.	USA	1165	210500.00
	131	Land of Toys Inc.	USA	1323	114900.00
	141	Euro+ Shopping Channel	Spain	1370	227600.00
	146	Savely & Henriot, Co.	France	1337	123900.00
	148	Dragon Souvenirs, Ltd.	Singapore	1621	103800.00
	151	Muscle Machine Inc	USA	1286	138500.00
	157	Diecast Classics Inc.	USA	1216	100600.00
	187	AV Stores, Co.	UK	1501	136800.00
	227	Heintze Collectables	Denmark	1401	120800.00
	239	Collectable Mini Designs ...	USA	1166	105000.00
	249	Amica Models & Co.	Italy	1401	113000.00
	259	Toms Spezialitäten, Ltd	Germany	1504	120400.00
	276	Anna's Decorations, Ltd	Australia	1611	107800.00
	278	Rovelli Gifts	Italy	1401	119600.00
	286	Marta's Replicas Co.	USA	1216	123700.00
	298	Vida Sport, Ltd	Switzerland	1702	141300.00
	319	Mini Classique	USA	1223	102700.00

6. Find customers who have no assigned sales representative:-

	customerNumber	customerName	country	creditLimit
▶	125	Havel & Zbyszek Co	Poland	0.00
	169	Porto Imports Co.	Portugal	0.00
	206	Asian Shopping Network, Co	Singapore	0.00
	223	Natürlich Autos	Germany	0.00
	237	ANG Resellers	Spain	0.00
	247	Messner Shopping Network	Germany	0.00
	273	Franken Gifts, Co	Germany	0.00
	293	BG&E Collectables	Switzerland	0.00
	303	Schuylar Imports	Netherlands	0.00
	307	Der Hund Imports	Germany	0.00
	335	Cramer Spezialitäten, Ltd	Germany	0.00
	348	Asian Treasures, Inc.	Ireland	0.00
	356	SAR Distributors, Co	South Africa	0.00
	361	Kommission Auto	Germany	0.00
	369	Lisboa Souvenirs, Inc	Portugal	0.00
	409	Stuttgart Collectable Excha...	Germany	0.00
	443	Feuer Online Stores, Inc	Germany	0.00
	459	Warburg Exchange	Germany	0.00
	465	Anton Designe I ltd	Spain	0.00

7. Show all orders placed in 2004:-

	orderNumber	orderDate	status	customerNumber
▶	10208	2004-01-02	Shipped	146
	10209	2004-01-09	Shipped	347
	10210	2004-01-12	Shipped	177
	10211	2004-01-15	Shipped	406
	10212	2004-01-16	Shipped	141
	10213	2004-01-22	Shipped	489
	10214	2004-01-26	Shipped	458
	10215	2004-01-29	Shipped	475
	10216	2004-02-02	Shipped	256
	10217	2004-02-04	Shipped	166
	10218	2004-02-09	Shipped	473
	10219	2004-02-10	Shipped	487
	10220	2004-02-12	Shipped	189
	10221	2004-02-18	Shipped	314
	10222	2004-02-19	Shipped	239
	10223	2004-02-20	Shipped	114
	10224	2004-02-21	Shipped	171
	10225	2004-02-22	Shipped	298
	10226	2004-02-26	Shipped	239

8. Show all orders along with the customer name:-

	orderNumber	orderDate	customerName
▶	10100	2003-01-06	Online Diecast Creations Co.
	10101	2003-01-09	Blauer See Auto, Co.
	10102	2003-01-10	Vitachrome Inc.
	10103	2003-01-29	Baane Mini Imports
	10104	2003-01-31	Euro + Shopping Channel
	10105	2003-02-11	Danish Wholesale Imports
	10106	2003-02-17	Rovelli Gifts
	10107	2003-02-24	Land of Toys Inc.
	10108	2003-03-03	Cruz & Sons Co.
	10109	2003-03-10	Motor Mint Distributors Inc.
	10110	2003-03-18	AV Stores, Co.
	10111	2003-03-25	Mini Wheels Co.
	10112	2003-03-24	Volvo Model Replicas, Co
	10113	2003-03-26	Mini Gifts Distributors Ltd.
	10114	2003-04-01	La Corne D'abondance, Co.
	10115	2003-04-04	Classic Legends Inc.
	10116	2003-04-11	Royale Belge
	10117	2003-04-16	Dragon Souveniers, Ltd.
	10118	2003-04-21	Fnarc Distributors

9. Show each customer with their sales representative's name:-

	customerName	SalesRep
▶	Atelier graphique	GerardHernandez
	Signal Gift Stores	LeslieThompson
	Australian Collectors, Co.	AndyFixter
	La Rochelle Gifts	La Rochelle Gifts Hernandez
	Baane Mini Imports	BarryJones
	Mini Gifts Distributors Ltd.	LeslieJennings
	Havel & Zbyszek Co	NULL
	Blauer See Auto, Co.	BarryJones
	Mini Wheels Co.	LeslieJennings
	Land of Toys Inc.	GeorgeVanauf
	Euro+ Shopping Channel	GerardHernandez
	Volvo Model Replicas, Co	BarryJones
	Danish Wholesale Imports	PamelaCastillo
	Saveley & Henriot, Co.	LouiBondur
	Dragon Souveniers, Ltd.	MamiNishi
	Muscle Machine Inc	Foon YueTseng
	Diecast Classics Inc.	StevePatterson
	Technics Stores Inc.	LeslieJennings
	Handii Gifts& Co	PeterMarch

10. Find all employees and the office city they work in:-

	employeeNumber	lastName	firstName	city
▶	1002	Murphy	Diane	San Francisco
	1056	Patterson	Mary	San Francisco
	1076	Firrelli	Jeff	San Francisco
	1143	Bow	Anthony	San Francisco
	1165	Jennings	Leslie	San Francisco
	1166	Thompson	Leslie	San Francisco
	1188	Firrelli	Julie	Boston
	1216	Patterson	Steve	Boston
	1286	Tseng	Foon Yue	NYC
	1323	Vanauf	George	NYC
	1102	Bondur	Gerard	Paris
	1337	Bondur	Loui	Paris
	1370	Hernandez	Gerard	Paris
	1401	Castillo	Pamela	Paris
	1702	Gerard	Martin	Paris
	1621	Nishi	Mami	Tokyo
	1625	Kato	Yoshimi	Tokyo
	1088	Patterson	William	Sydney
	1611	Fixter	Andy	Sydney

11. Show each order with its ordered products and quantities:-

	orderNumber	productName	quantityOrdered
▶	10100	1917 Grand Touring Sedan	30
	10100	1911 Ford Town Car	50
	10100	1932 Alfa Romeo 8C2300 Spider Sport	22
	10100	1936 Mercedes Benz 500k Roadster	49
	10101	1932 Model A Ford J-Coupe	25
	10101	1928 Mercedes-Benz SSK	26
	10101	1939 Chevrolet Deluxe Coupe	45
	10101	1938 Cadillac V-16 Presidential Limousine	46
	10102	1937 Lincoln Berline	39
	10102	1936 Mercedes-Benz 500K Special Roadster	41
	10103	1952 Alpine Renault 1300	26
	10103	1962 Lancia Delta 16V	42
	10103	1958 Setra Bus	27
	10103	1940 Ford Pickup Truck	35
	10103	1926 Ford Fire Engine	22
	10103	1913 Ford Model T Speedster	27
	10103	1934 Ford V8 Coupe	35
	10103	18th Century Vintage Horse Carriage	25
	10103	1917 Maxwell Touring Car	46

12. List all payments with customer name and country:-

	checkNumber	paymentDate	amount	customerName	country
▶	HQ336336	2004-10-19	6066.78	Atelier graphique	France
	JM555205	2003-06-05	14571.44	Atelier graphique	France
	OM314933	2004-12-18	1676.14	Atelier graphique	France
	BO864823	2004-12-17	14191.12	Signal Gift Stores	USA
	HQ55022	2003-06-06	32641.98	Signal Gift Stores	USA
	ND748579	2004-08-20	33347.88	Signal Gift Stores	USA
	GG31455	2003-05-20	45864.03	Australian Collectors, Co.	Australia
	MA765515	2004-12-15	82261.22	Australian Collectors, Co.	Australia
	NP603840	2003-05-31	7565.08	Australian Collectors, Co.	Australia
	NR27552	2004-03-10	44894.74	Australian Collectors, Co.	Australia
	DB933704	2004-11-14	19501.82	La Rochelle Gifts	France
	LN373447	2004-08-08	47924.19	La Rochelle Gifts	France
	NG94694	2005-02-22	49523.67	La Rochelle Gifts	France
	DB889831	2003-02-16	50218.95	Baane Mini Imports	Norway
	FD317790	2003-10-28	1491.38	Baane Mini Imports	Norway
	KI831359	2004-11-04	17876.32	Baane Mini Imports	Norway
	MA302151	2004-11-28	34638.14	Baane Mini Imports	Norway
	AE215433	2005-03-05	101244.59	Mini Gifts Distributors Ltd.	USA
	RG255406	2004-08-28	85410.87	Mini Gifts Distributors Ltd.	USA

13. Count how many customers each country has:-

	country	customer_count
▶	USA	36
	Germany	13
	France	12
	Spain	7
	Australia	5
	UK	5
	Italy	4
	New Zealand	4
	Singapore	3
	Finland	3
	Canada	3
	Switzerland	3
	Sweden	2
	Denmark	2
	Norway	2
	Portugal	2
	Japan	2
	Ireland	2
	Belgium	2

14. Find the total sales amount for each customer:-

	customerNumber	customerName	Total_Sales
▶	141	Euro + Shopping Channel	820689.54
	124	Mini Gifts Distributors Ltd.	591827.34
	114	Australian Collectors, Co.	180585.07
	151	Muscle Machine Inc	177913.95
	119	La Rochelle Gifts	158573.12
	148	Dragon Souveniers, Ltd.	156251.03
	323	Down Under Souveniers, Inc	154622.08
	131	Land of Toys Inc.	149085.15
	187	AV Stores, Co.	148410.09
	450	The Sharp Gifts Warehouse	143536.27
	382	Salzburg Collectables	137480.07
	496	Kelly's Gift Shop	137460.79
	276	Anna's Decorations, Ltd	137034.22
	282	Souveniers And Things Co.	133907.12
	321	Corporate Gift Ideas Co.	132340.78
	146	Saveley & Henriot, Co.	130305.35
	145	Danish Wholesale Imports	129085.12
	278	Rovelli Gifts	127529.69
	353	Raine's Collectables	126983.19

15. Show the average credit limit per country:-

	country	avg_credit_limit	customers_count
▶	Denmark	102100.000000	2
	Italy	97200.000000	4
	Norway	95950.000000	2
	Finland	95266.666667	3
	New Zealand	90625.000000	4
	UK	88740.000000	5
	Japan	87800.000000	2
	Australia	86060.000000	5
	Sweden	84750.000000	2
	Norway	81700.000000	1
	Philippines	81500.000000	1
	USA	78102.777778	36
	France	77691.666667	12
	Canada	76200.000000	3
	Spain	73971.428571	7
	Singapore	67233.333333	3
	Hong Kong	58600.000000	1
	Austria	58500.000000	2
	Belgium	51700.000000	2

16. Find the maximum payment amount per customer:-

	customerNumber	customerName	max_payment
▶	141	Euro + Shopping Channel	120166.58
	124	Mini Gifts Distributors Ltd.	111654.40
	148	Dragon Souveniers, Ltd.	105743.00
	321	Corporate Gift Ideas Co.	85559.12
	167	Herkku Gifts	85024.46
	114	Australian Collectors, Co.	82261.22
	239	Collectable Mini Designs Co.	80375.24
	323	Down Under Souveniers, Inc	75020.13
	157	Diecast Classics Inc.	63357.13
	298	Vida Sport, Ltd	61402.00
	259	Toms Spezialitäten, Ltd	61234.67
	450	The Sharp Gifts Warehouse	59551.38
	495	Diecast Collectables	59265.14
	151	Muscle Machine Inc	58841.35
	458	Corrida Auto Replicas, Ltd	57131.92
	363	Online Diecast Creations Co.	55425.77
	145	Danish Wholesale Imports	53959.21
	227	Heintze Collectables	53745.34
	256	Austin Associates & Cie	53116.99

17. Count the number of products in each product line:-

	productLine	product_count
▶	Classic Cars	38
	Vintage Cars	24
	Motorcycles	13
	Planes	12
	Trucks and Buses	11
	Ships	9
	Trains	3

18. Find customers who made payments greater than the average payment:-

	customerNumber	checknumber	customerName	amount
▶	112	HQ55022	Signal Gift Stores	32641.98
	112	ND748579	Signal Gift Stores	33347.88
	114	GG31455	Australian Collectors, Co.	45864.03
	114	MA765515	Australian Collectors, Co.	82261.22
	114	NR27552	Australian Collectors, Co.	44894.74
	119	LN373447	La Rochelle Gifts	47924.19
	119	NG94694	La Rochelle Gifts	49523.67
	121	DB889831	Baane Mini Imports	50218.95
	121	MA302151	Baane Mini Imports	34638.14
	124	AE215433	Mini Gifts Distributors Ltd.	101244.59
	124	BG255406	Mini Gifts Distributors Ltd.	85410.87
	124	ET64396	Mini Gifts Distributors Ltd.	83598.04
	124	HI366474	Mini Gifts Distributors Ltd.	47142.70
	124	HR86578	Mini Gifts Distributors Ltd.	55639.66
	124	KI131716	Mini Gifts Distributors Ltd.	111654.40
	124	LF217299	Mini Gifts Distributors Ltd.	43369.30
	124	NT141748	Mini Gifts Distributors Ltd.	45084.38
	128	FH668230	Blauer See Auto, Co.	33820.62
	131	MA724567	Land of Toys Inc	50025.35

19. List products that have never been ordered:-

	productCode	productName
▶	S18_3233	1985 Toyota Supra

20. Create a procedure to get all orders by a given customer:-

	orderNumber	orderDate	status	productCode	quantityOrdered	priceEach	lineTotal
▶	10345	2004-11-25	Shipped	S24_2022	43	38.98	1676.14
	10298	2004-09-27	Shipped	S10_2016	39	105.86	4128.54
	10298	2004-09-27	Shipped	S18_2625	32	60.57	1938.24
	10123	2003-05-20	Shipped	S18_1589	26	120.71	3138.46
	10123	2003-05-20	Shipped	S18_2870	46	114.84	5282.64
	10123	2003-05-20	Shipped	S18_3685	34	117.26	3986.84
	10123	2003-05-20	Shipped	S24_1628	50	43.27	2163.50

21. Create a procedure to find total sales between two dates:-

	start_date	end_date	total_sales
▶	2003-01-01	2003-12-31	3317348.39

22. Build a procedure that shows the best-selling product line:-

	productLine	revenue	units_sold
▶	Classic Cars	3853922.49	35582
	Vintage Cars	1797559.63	22933
	Motorcycles	1121426.12	12778

23. Create a procedure to display all customers handled by an employee:-

	customerNumber	customerName	contactLastName	contactFirstName	phone	city	country
▶	242	Alpha Cognac	Roulet	Annette	61.77.6555	Toulouse	France
	103	Atelier graphique	Schmitt	Carine	40.32.2555	Nantes	France
	256	Auto Associés & Cie.	Tonini	Daniel	30.59.8555	Versailles	France
	171	Daedalus Designs Imports	Rancé	Martine	20.16.1555	Lille	France
	141	Euro + Shopping Channel	Freyre	Diego	(91) 555 94 44	Madrid	Spain
	119	La Rochelle Gifts	Labrune	Janine	40.67.8555	Nantes	France
	209	Mini Caravy	Citeaux	Frédérique	88.60.1555	Strasbourg	France

24. Write a procedure to calculate yearly revenue given an input year:-

Result Grid		Filter Rows:
	year	total_revenue
▶	2004	4515905.51

25. Find customers who placed more than 5 orders:-

Result Grid		Filter Rows:	Export:	Wrap Cell Co
	customerNumber	customerName	Orders_Count	
▶	124	Mini Gifts Distributors Ltd.	17	
	141	Euro+ Shopping Channel	26	

26. Find the top 10 most ordered products:-

Result Grid		Filter Rows:	Export:	Wrap Cell Co
	productCode	productName	Total_qty	
▶	S18_3232	1992 Ferrari 360 Spider red	1808	
	S18_1342	1937 Lincoln Berline	1111	
	S700_4002	American Airlines: MD-11S	1085	
	S18_3856	1941 Chevrolet Special Deluxe Cabriolet	1076	
	S50_1341	1930 Buick Marquette Phaeton	1074	
	S18_4600	1940s Ford truck	1061	
	S10_1678	1969 Harley Davidson Ultimate Chopper	1057	
	S12_4473	1957 Chevy Pickup	1056	
	S18_2319	1964 Mercedes Tour Bus	1053	
	S24_3856	1956 Porsche 356A Coupe	1052	

27. List product lines where the average MSRP > 100:-

Result Grid		Filter Rows:
	productLine	avg_msrp
▶	Classic Cars	118.021053
	Trucks and Buses	103.183636

28. Show employees with more than 3 customers assigned:-

	employeeNumber	emp_name	customers_count
▶	1165	Leslie Jennings	6
	1166	Leslie Thompson	6
	1188	Julie Firrelli	6
	1216	Steve Patterson	6
	1286	Foon Yue Tseng	7
	1323	George Vanauf	8
	1337	Loui Bondur	6
	1370	Gerard Hernandez	7
	1401	Pamela Castillo	10
	1501	Larry Bott	8
	1504	Barry Jones	9
	1611	Andy Fixter	5
	1612	Peter Marsh	5
	1621	Mami Nishi	5
	1702	Martin Gerard	6

29. Display orders where the shippedDate is NULL:-

	orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber
▶	10167	2003-10-23	2003-10-30	NULL	Cancelled	Customer called to cancel. The warehouse was ...	448
	10248	2004-05-07	2004-05-14	NULL	Cancelled	Order was mistakenly placed. The warehouse n...	131
	10260	2004-06-16	2004-06-22	NULL	Cancelled	Customer heard complaints from their customer...	357
	10262	2004-06-24	2004-07-01	NULL	Cancelled	This customer found a better offer from one of ...	141
	10334	2004-11-19	2004-11-28	NULL	On Hold	The outstanding balance for this customer exce...	144
	10401	2005-04-03	2005-04-14	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	328
	10407	2005-04-22	2005-05-04	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	450
	10414	2005-05-06	2005-05-13	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	362
	10420	2005-05-29	2005-06-07	NULL	In Process	NULL	282
	10421	2005-05-29	2005-06-06	NULL	In Process	Custom shipping instructions were sent to ware...	124
	10422	2005-05-30	2005-06-11	NULL	In Process	NULL	157
	10423	2005-05-30	2005-06-05	NULL	In Process	NULL	314
	10424	2005-05-31	2005-06-08	NULL	In Process	NULL	141
	10425	2005-05-31	2005-06-07	NULL	In Process	NULL	119
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

30. Which country generates the most revenue?

	country	total_revenue
▶	USA	3040029.52

31. Who are the top 5 sales representatives by payments?

	employeeNumber	rep_name	total_payments
▶	1370	Gerard Hernandez	1112003.81
	1165	Leslie Jennings	989906.55
	1401	Pamela Castillo	750201.87
	1501	Larry Bott	686653.25
	1504	Barry Jones	637672.65

32. Which month has the highest number of orders?

	Year_Mon	orders_count
▶	2004-11	33

33. Find the trend of sales over years:-

	sales_year	total_sales
▶	2003	3317348.39
	2004	4515905.51
	2005	1770936.71

34. Which product line has highest stock but lowest sales?

	productLine	total_stock	total_sales
▶	Classic Cars	5851766	3853922.49
	Vintage Cars	3439570	1797559.63
	Motorcycles	1915517	1121426.12
	Planes	1744036	954637.54
	Trucks and Buses	1003828	1024113.57

