

CLASSIC MODEL DATABASE



Introduction: Exploring the Classic Model Database

Welcome to the Classic Model Database, a rich and comprehensive dataset designed to capture and analyze data from a classic model business scenario. This relational database provides a structured representation of various aspects of a business, including customers, employees, offices, orders, payments, and products.

Objectives.



Throughout our exploration, we aim to derive meaningful insights by posing diverse queries and analyses on this dataset. From understanding customer credit limits to identifying top-performing products, our exploration will provide valuable perspectives on the business model represented in this classic dataset.

DATABASE

SCHEMAS

Filter objects

classicmodels

- Tables
 - customers
 - employees
 - offices
 - orderdetails
 - orders
 - payments
 - productlines
 - products
- Views
- Stored Procedures
- Functions

Limit to 1000 rows

1 • `SELECT * FROM classicmodels.customers;`

Result Grid

	customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRep
▶	103	Atelier graphique	Schmitt	Carine	40.32.2555	54, rue Royale	NULL	Nantes	NULL	44000	France	1370
	112	Signal Gift Stores	King	Jean	7025551838	8489 Strong St.	NULL	Las Vegas	NV	83030	USA	1166
	114	Australian Collectors, Co.	Ferguson	Peter	03 9520 4555	636 St Kilda Road	Level 3	Melbourne	Victoria	3004	Australia	1611
	119	La Rochelle Gifts	Labrune	Janine	40.67.8555	67, rue des Cinquante Otages	NULL	Nantes	NULL	44000	France	1370
	121	Baane Mini Imports	Bergulfsen	Jonas	07-98 9555	Erling Skakkes gate 78	NULL	Stavern	NULL	4110	Norway	1504
	124	Mini Gifts Distributors Ltd.	Nelson	Susan	4155551450	5677 Strong St.	NULL	San Rafael	CA	97562	USA	1165
	125	Havel & Zbyszek Co	Piestrzeniewicz	Zbyszek	(26) 642-7555	ul. Filtrowa 68	NULL	Warszawa	NULL	01-012	Poland	NULL
	128	Blauer See Auto, Co.	Keitel	Roland	+49 69 66 90 2555	Lyonerstr. 34	NULL	Frankfurt	NULL	60528	Germany	1504
	129	Mini Wheels Co.	Murphy	Julie	6505555787	5557 North Pendale Street	NULL	San Francisco	CA	94217	USA	1165
	131	Land of Toys Inc.	Lee	Kwai	2125557818	897 Long Airport Avenue	NULL	NYC	NY	10022	USA	1323
	141	Furn & Shipping Channel	Freire	Diann	(01) 555 04 44	C / Moraltaral 86	NULL	Madrid	NULL	28034	Spain	1370



1. Find the total number of customers in the database.

```
SELECT COUNT(*) AS total_customers  
FROM classicmodels.customers;
```

Result Grid			Filter Rows: <input type="text"/>	Export:	Wrap Cell Content:
	total_customers				
▶	122				



2. Find the average credit limit of customers in each country.

```
SELECT country , AVG(creditLimit) AS AvgCriditLimit
FROM classicmodels.customers
GROUP BY country;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
country	AvgCreditLimit		
France	77691.666667		
USA	78102.777778		
Australia	86060.000000		
Norway	91200.000000		
Poland	0.000000		
Germany	19776.923077		
Spain	73971.428571		
Sweden	84750.000000		
Denmark	102100.000000		
Singapore	67233.333333		
Portugal	0.000000		

3. Retrieve the details of the products with the highest quantity in stock.

```
SELECT * FROM classicmodels.products  
ORDER BY quantityInStock DESC  
LIMIT 1;
```

Result Grid		Filter Rows: <input type="text"/>	Edit:			Export/Import:		Wrap Cell Content:	Fetch rows:
	productCode	productName	productLine	productScale	productVendor	productDescription			quantityIn
▶	S12_2823	2002 Suzuki XREO	Motorcycles	1:12	Unimax Art Galleries	Official logos and insignias, saddle bags located ...			9997
•	NULL	NULL	NULL	NULL	NULL	NULL			NULL



4. Find the product lines with the highest and lowest average buy prices.

```
SELECT productLine, AVG(buyPrice) AS AvgBuyPrice
FROM classicmodels.products
GROUP BY productLine
ORDER BY AvgBuyPrice DESC/ASC
LIMIT 1;
```




Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows
productLine	AvgBuyPrice			
Classic Cars	64.446316			

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows
productLine	AvgBuyPrice			
Trains	43.923333			



5. List the names and email addresses of employees who report to a specific manager (reportsTo).

```
SELECT firstName , lastName , email  
FROM classicmodels.employees  
WHERE reportsTo = 1056;
```

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 			
	firstName	lastName	email
▶	William	Patterson	wpatterson@classicmodelcars.com
	Gerard	Bondur	gbondur@classicmodelcars.com
	Anthony	Bow	abow@classicmodelcars.com
	Mami	Nishi	mnishi@classicmodelcars.com



6. Find the top 3 customers with the highest credit limits.

```
SELECT customerName, creditLimit
FROM classicmodels.customers
ORDER BY creditLimit DESC
Limit 3;
```

Result Grid		Filter Rows:	<input type="text"/>	Export:		Wrap Cell Content:		Fetch rows:	
	customerName	creditLimit							
▶	Euro + Shopping Channel	227600.00							
	Mini Gifts Distributors Ltd.	210500.00							
	Vida Sport, Ltd	141300.00							

[illegible]



8. Find the customers who have not made any payments.

```
SELECT c.customerName
FROM classicmodels.customers c
LEFT JOIN classicmodels.payments p ON
c.customerNumber = p.customerNumber
WHERE p.customerNumber IS NULL;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	customerName			
▶	Havel & Zbyszek Co			
	American Souvenirs Inc			
	Porto Imports Co.			
	Asian Shopping Network, Co			
	Natürlich Autos			
	ANG Resellers			
	Messner Shopping Network			
	Franken Gifts, Co			
	BG&E Collectables			
	Schuyler Imports			
	Der Hund Imports			



9. List the product codes and names of products that have not been ordered.

```
SELECT p.productCode, p.productName
FROM classicmodels.products p
LEFT JOIN classicmodels.orderdetails od ON
p.productCode = od.productCode
WHERE od.productCode IS NULL;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	productCode	productName		
▶	S18_3233	1985 Toyota Supra		



10. Find the average order quantity for each product line.

```
SELECT pr.productLine, AVG(od.quantityOrdered) AS AvgOrderQuantity
FROM classicmodels.orderdetails od
JOIN classicmodels.products pr ON od.productCode = pr.productCode
GROUP BY pr.productLine;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	productLine	AvgOrderQuantity			
▶	Classic Cars	35.2297			
	Motorcycles	35.5933			
	Planes	35.3333			
	Ships	34.8245			
	Trains	34.7901			
	Trucks and Buses	35.7175			
	Vintage Cars	34.9056			