



# CLASSIC CAR MODELS



# WELCOME

"Welcome to our classic car model. Explore our extensive product line featuring vintage cars, motorcycles, planes, ships, trains, trucks, and buses. Immerse yourself in timeless elegance and nostalgia with our collection of iconic vehicles from bygone eras."



# PROJECT'S AIM

The aim of this SQL project for a classic car model dealer is to efficiently manage inventory, sales, and customer data for a diverse range of products including classic cars, motorcycles, planes, ships, trains, trucks, buses, and vintage cars. The project focuses on organizing information to streamline operations and enhance customer service within the classic vehicle dealership following business acumen.



# Calculate the total sales amount for each order.

```
Select orderNumber,  
Sum(orderdetails.quantityordered*orderdetails.priceeach)  
as Sales_Amount  
From classiccarmodel.orderdetails  
Group by ordernumber;
```

## Output

	orderNumber	Sales_Amount
▶	10100	10223.829999999998
	10101	10549.01
	10102	5494.78
	10103	50218.950000000004
	10104	40206.2
	10105	53959.21
	10106	52151.810000000005
	10107	22292.620000000003
	10108	51001.219999999994
	10109	25833.14



List the number of orders place each year.

Select year(orders.orderdate)as year,  
Count(\*) as Num\_orders  
From classiccarmodel.orders  
Group by year;

Output

	year	Num_orders
▶	2003	111
	2004	151
	2005	64



# List an average order value.

```
Select  
Round(  
    avg(Orderdetails.Quantityordered  
        * Orderdetails.Priceeach)  
    , 2 )  
as Avg_Order_Value  
From Classiccarmodel.Orderdetails;
```

## Output

	Avg_Order_Value
▶	3205.67

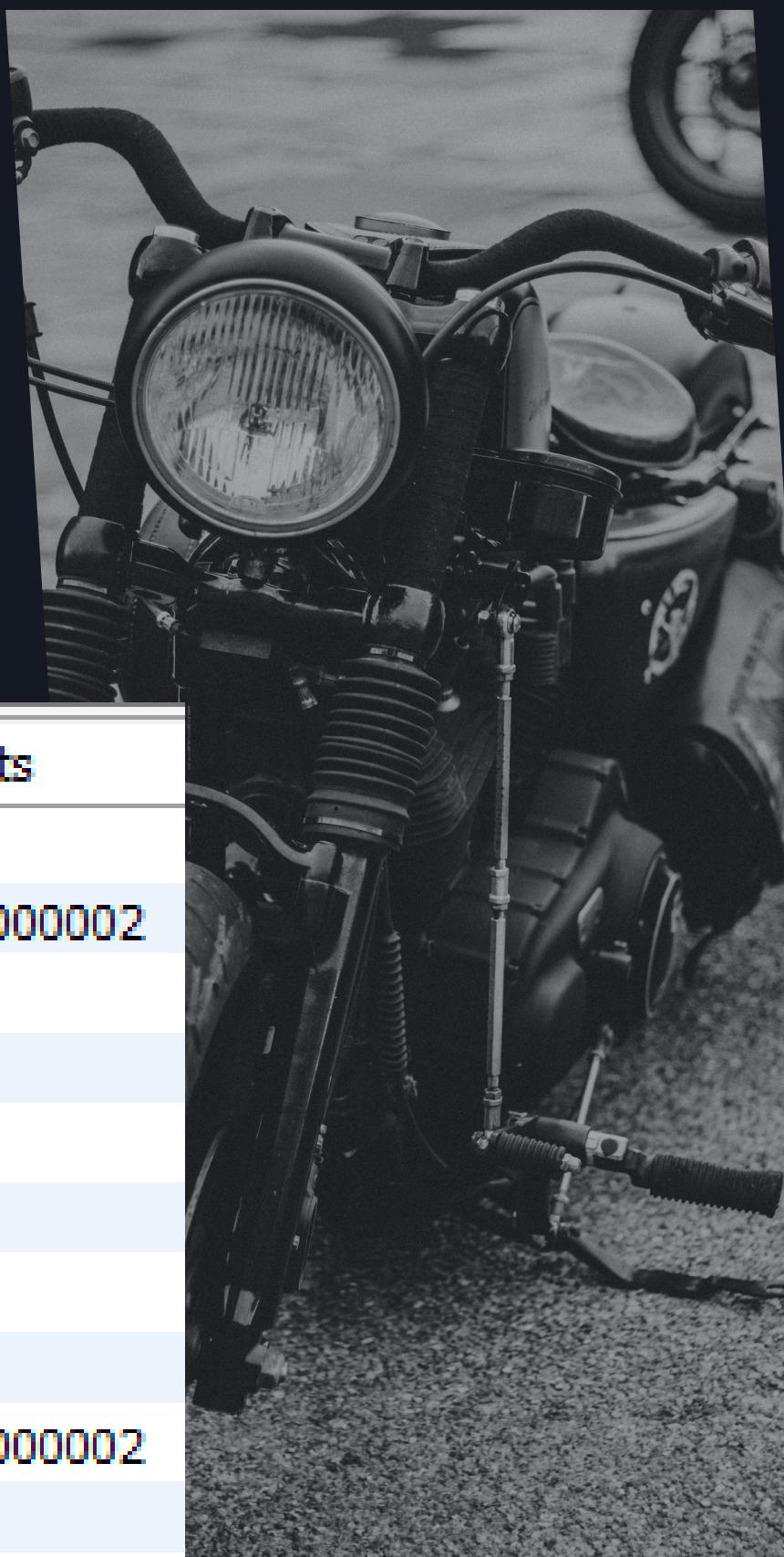


List top 10 customers with the highest total payments.

```
Select payments.customerNumber,  
Sum(amount) as Total_payments  
From classiccarmodel.payments  
Group by payments.customerNumber  
Order by Total_payments  
Limit 10;
```

## Output

	customerNumber	Total_payments
▶	219	7918.6
	198	21554.260000000002
	103	22314.36
	473	25358.32
	381	29217.18
	456	29230.43
	489	29586.15
	415	31310.09
	173	32198.690000000002
	362	33533.47

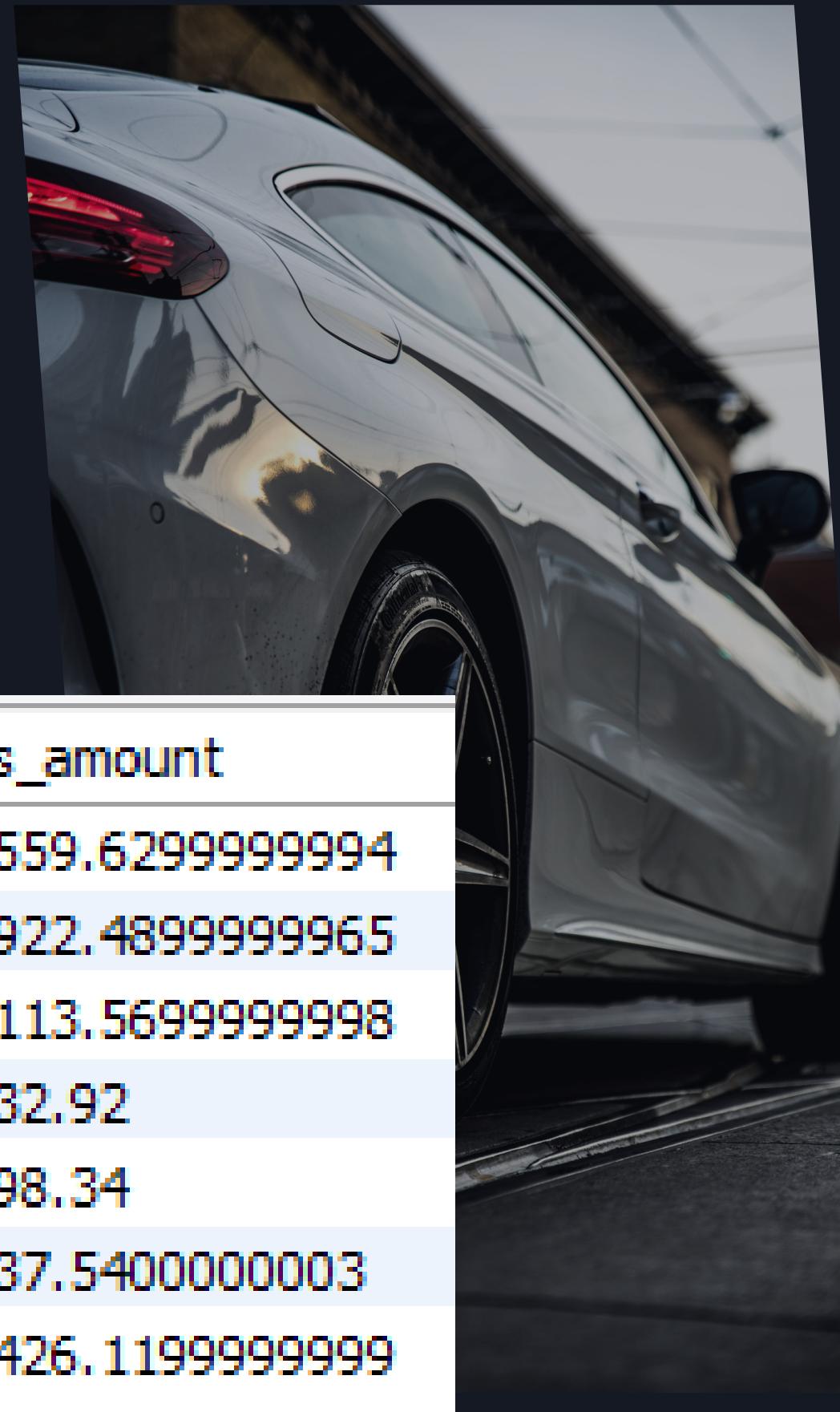


# List the Total sales amount for each productline

```
Select products.productLine ,  
Sum(orderdetails.quantityordered *  
orderdetails.priceeach) as Sales_amount  
From classiccarmodel.products  
Join classiccarmodel.orderdetails  
On products.productCode =  
orderdetails.productCode  
Group by products.productline ;
```

## Output

productLine	Sales_amount
Vintage Cars	1797559.6299999994
Classic Cars	3853922.4899999965
Trucks and Buses	1024113.5699999998
Trains	188532.92
Ships	663998.34
Planes	954637.5400000003
Motorcycles	1121426.1199999999





# List the top 5 customers with the highest average paymnet amount

```
Select Customers.CustomerName as Names,  
Avg(amount)  
From Classiccarmodel.Customers  
Join Classiccarmodel.Payments  
On Customers.CustomerNumber =  
Payments.CustomerNumber  
Group by Names  
Limit 5;
```

## Output

	Names	avg(amount)
▶	Atelier graphique	7438.12
	Signal Gift Stores	26726.99333333332
	Australian Collectors, Co.	45146.267499999994
	La Rochelle Gifts	38983.22666666667
	Baane Mini Imports	26056.1975

# List the employees who have processed orders with a total value greater than \$10,000.

```
Select Employees.Firstname,  
Sum(Orderdetails.Quantityordered*Orderdetails.Priceeach) as Sales  
From Classiccarmodel.Employees  
Join Classiccarmodel.Customers  
On Employees.EmployeeNumber =  
Customers.SalesRepEmployeeNumber  
Join Classiccarmodel.Orders  
On Customers.CustomerNumber =  
Orders.CustomerNumber  
Join Classiccarmodel.Orderdetails  
On Orders.OrderNumber =  
Orderdetails.OrderNumber  
Group by Employees.Firstname  
Having Sum(orderdetails.quantityordered*orderdetails.priceeach) > "10000";
```

## Output

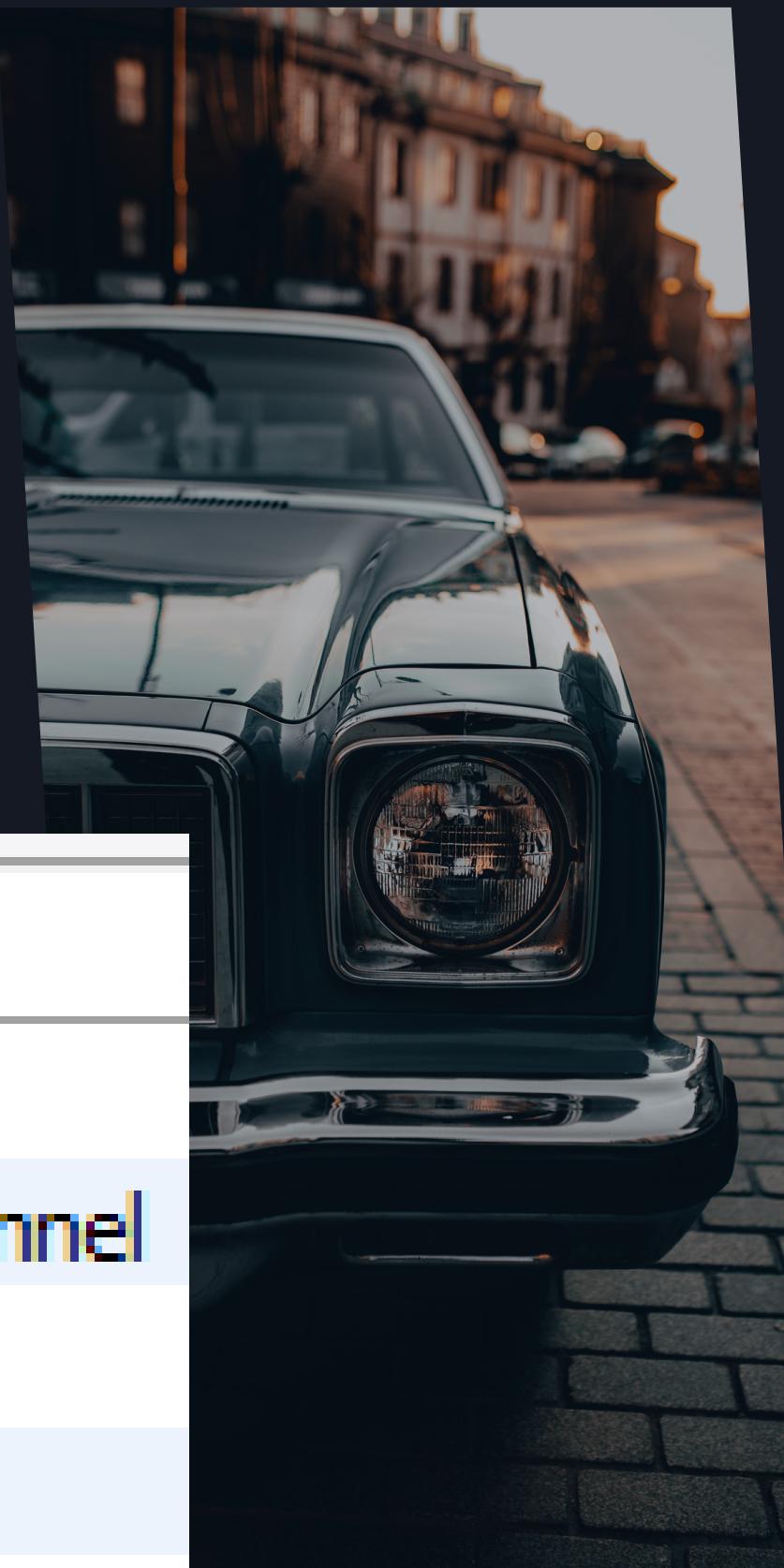
	firstname	Sales
▶	Steve	505875.42000000016
	Barry	350594.05
	Foon Yue	419234.99999999977
	Gerard	1258577.8099999994
	Pamela	768151.7900000004
	George	532442.86
	Leslie	1429063.5699999994
	Loui	569485.7499999999
	Mami	201731.81999999998
	Martin	387477.47000000003

# List the customer whose shipping is cancelled.

```
select customers.customerName  
from classiccarmodel.customers  
join classiccarmodel.orders  
on customers.customerNumber =  
orders.customerNumber  
Where orders.status = "cancelled"  
limit 4;
```

## Output

	customerName
▶	Land of Toys Inc.
	Euro + Shopping Channel
	GiftsForHim.com
	Kelly's Gift Shop



# List the offices with the highest total sales amount

```
Select offices.city,  
Sum(orderdetails.quantityordered*orderdetails.priceeach)  
as Sale_amount  
From Classiccarmodel.Offices  
Join Classiccarmodel.Customers  
On Offices.City = Customers.City  
Join Classiccarmodel.Orders  
On Customers.Customernumber =  
Orders.Customernumber  
Join Classiccarmodel.Orderdetails  
On Orders.Ordernumber =  
Orderdetails.Ordernumber  
Group by Offices.city;
```

## Output

	city	Sale_amount
▶	NYC	497941.4999999998
	San Francisco	199051.34
	Paris	240649.6799999988
	Boston	149882.0600000003

# CONCLUSION

In conclusion, the SQL project for the Classic Car Model Dealer effectively manages a diverse product line encompassing classic cars, motorcycles, planes, ships, trains, trucks, buses, and vintage cars. Through robust database management, it ensures efficient inventory tracking, sales analysis, and customer management, facilitating smooth operations and enhancing customer satisfaction in the vintage and classic vehicle market segment.

# THANK YOU

