

Retail Store

Everyday Shopping Destination

@retail.in



IDENTIFY THE TOP 3 STORES WITH THE HIGHEST TOTAL SALES IN THE LAST YEAR

```
select s.store_id, st.store_name, sum(s.total_sales_amt) as total_sales
from sales s
join stores st On st.store_id = s.store_id
where s.sale_date >= date_sub(curdate(), interval 1 year )
GROUP BY s.Store_id, st.store_name
order by total_sales desc
limit 3;
```

	store_id	store_name	total_sales
▶	8	Ahmedabad Accessories	2920000.00
	6	Hyderabad Hub	2440000.00
	7	Pune Phones	2085000.00



CALCULATE THE TOTAL SALES FOR EACH STORE, WHERE THE TOTAL SALES EXCEED 1000000 INR

```
select * from products;
select * from sales;
select * from stores;
select st.store_name, p.category as product_category, sum(s.total_sales_amt) as total_sales
from sales s
join stores st on s.store_id = st.store_id
join products p on s.product_id = p.product_id
group by st.store_id, st.store_name, p.category
having total_sales > 1000000
order by total_sales desc;
```

	store_name	product_category	total_sales
▶	Ahmedabad Accessories	Electronics	1590000.00
	Hyderabad Hub	Office Supply	1565000.00
	Kolkata Computers	Electronics	1440000.00
	Pune Phones	Networking	1315000.00



PRODUCTS THAT ARE OUT OF STOCK IN MORE THAN 50% OF THE STORES

```
select  p.product_name as Out_of_stock, p.category, I.quantity
from Inventory I
join stores st on I.store_id = st.store_id
join products p on I.product_id = p.product_id
where I.quantity = 0
group by  p.product_name, p.category, I.quantity ;
```

	Out_of_stock	category	quantity
▶	Tablet	Electronics	0
	Charger	Accessories	0
	External HDD	Storage	0





HOW MANY STORES HAVE MORE THAN 100 UNITS OF THE PRODUCT IN STOCK AND IDENTIFY THE PRODUCT AND STORE COMBINATIONS

```
select i.store_id, st.store_name, p.product_name, i.quantity
from inventory i
join products p on i.product_id = p.product_id
join stores st on i.store_id = i.store_id
where i.quantity > 100
group by i.store_id , st.store_name, p.product_name, i.quantity;
```

	store_id	store_name	product_name	quantity
▶	7	Mumbai Electronics	Webcam	200
	2	Mumbai Electronics	Speaker	130
	8	Mumbai Electronics	Router	200
	4	Mumbai Electronics	Keyboard	120
	1	Mumbai Electronics	Smartphone	150
	7	Delhi Digital	Webcam	200



IDENTIFY THE CONTRIBUTION OF PRODUCTS AMONGST TOTAL SALES

```
select p.product_name, s.quantity_sold,  
(quantity_sold / (select sum(quantity_sold) from sales)*100) as Sales_per  
from sales s  
join products p on s.product_id = p.product_id  
group by product_name, quantity_sold  
order by Sales_per desc;
```

	product_name	quantity_sold	Sales_per
▶	Smartwatch	250	5.2138
	Router	200	4.1710
	Printer	200	4.1710
	Router	150	3.1283
	Keyboard	150	3.1283



IDENTIFY SUPPLIERS WHOSE PRODUCTS CONTRIBUTE TO MORE THAN 20% OF THE TOTAL SALES

```
select ss.supplier_name, count(p.product_id) as Product_count ,
sum(s.quantity_sold) as Qty,
sum(s.total_sales_amt) as Sales,
sum(s.total_sales_amt * 100/ (select sum(total_sales_amt) from Sales)) as Sales_per
from suppliers ss
join products p on p.supplier_id = ss.supplier_id
join sales s on s.product_id = p.product_id
group by ss.supplier_name
having Sales_per > 20
limit 1000;
```

	supplier_name	Product_count	Qty	Sales	Sales_per
▶	Global Tech Supplies	24	1305	4190000.00	26.884824
	Office Supplies Co.	18	1095	4342500.00	27.863329
	Network Essentials	17	1020	3445000.00	22.104590



CONCLUSION

The retail store SQL project successfully demonstrated the power of data analysis in optimizing business operations.

These insights empower retail stores to make informed decisions, streamline operations, and enhance profitability through data-driven strategies.

