

**1. Which Product has minimum storage in Inventory Management?**

Query:- Select ProductName,PartNumber,ProductLabel,MinimumRequired,  
min(MinimumRequired) from products;

	ProductName	PartNumber	ProductLabel	MinimumRequired	min(MinimumRequired)
▶	Motor	126541	RGB123	11	11

**2. Which ProductName has the Maximum Inventory Shipped?—**

Query:- Select ProductName,max(InventoryShipped) from products;

	ProductName	max(InventoryShipped)
▶	Motor	52

**3. Which Suppliers have provided the highest selling product?**

Query:- select supplier\_name,max(NumberReceived) from purchases

join suppliers

on(purchases.supplierid=suppliers.id);

	supplier_name	max(NumberReceived)
▶	ShockWave Tech	180

**4. Products that are ordered more than 10 times?**

Query:- Select productname, count(productid) from orders

join products

on(orders.productid=products.id)

group by productid

having count(productid)>10;

	productname	count(productid)
▶	Motor	12
	Motor2	13
	Motor3	11
	Motor6	13

**5. Top 3 Month of the year in which numbershipped were highest?**

Query:- Select productname, count(productid), monthname(OrderDate) from orders

join products

on(orders.productid=products.id)

group by productid

order by count(productid) desc

limit 3;

	productname	count(productid)	monthname(OrderDate)
▶	Motor2	13	August
	Motor6	13	September
	Motor	12	May

**6. On Which PurchaseDate the NumberReceived of product by Supplier was highest?**

Query:- Select purchasedate, max(NumberReceived) from purchases;

	purchasedate	max(NumberReceived)
▶	2023-10-29	180

**7. Supplier name from whom the inventory received is maximum?**

Query:- Select supplier\_name, max(NumberReceived) from purchases

join suppliers

on(purchases.supplierid=suppliers.id);

	supplier_name	max(NumberReceived)
▶	ShockWave Tech	180

**8. What is the average order quantity of each products?**

Query:- select productid, productname ,avg(Numbershipped) from orders

join products

on(orders.productid=products.id)

group by productid;

	productid	productname	avg(Numbershipped)
▶	1	Motor	62.5833
	2	Motor2	79.4615
	3	Motor3	67.2727
	4	Motor4	40.4000
	5	Motor5	106.2857
	6	Motor6	73.7692
	7	Motor7	84.3333

**9. Which Product has inventoryonhand lesser than the Minimum Required?—**

Query:- select Productname, Partnumber, Productlabel, MinimumRequired, InventoryOnHand

from products

where InventoryOnHand<MinimumRequired;

	Productname	Partnumber	Productlabel	MinimumRequired	InventoryOnHand
▶	Motor4	126544	RGB423	98	75
	Motor8	126548	RGB823	64	32

**10. Which product was Shipped to the customer more than 180 ?**

Query:- select productid,productname,productlabel, numbershipped from  
products join orders  
on(orders.productid=products.id)  
where numbershipped>180;

	productid	productname	productlabel	numbershipped
▶	1	Motor	RGB123	183
	2	Motor2	RGB223	191
	7	Motor7	RGB723	193

**11. Name the customer,productname, productlabel, orderdate whom the product were shipped less than 50?**

Query:- select name, orderdate, productname, productlabel, orderdate, numbershipped  
from products join orders  
on (products.id=orders.productid)  
where NumberShipped<15;

	name	orderdate	productname	productlabel	orderdate	numbershipped
▶	Izzy	2023-06-13	Motor	RGB123	2023-06-13	14
	Nevins	2023-07-30	Motor	RGB123	2023-07-30	3
	Maurene	2023-07-13	Motor	RGB123	2023-07-13	12
	Sada	2023-07-28	Motor4	RGB423	2023-07-28	13

**12. Name the customer, productname, productlabel, orderdate whom the product were shipped more than 180?**

Query:- select name, orderdate, productname, productlabel, orderdate, numbershipped  
from products join orders  
on (products.id=orders.productid)  
where NumberShipped>180;

	name	orderdate	productname	productlabel	orderdate	numbershipped
▶	Ezekiel	2023-06-07	Motor	RGB123	2023-06-07	183
	Sigismund	2023-10-12	Motor2	RGB223	2023-10-12	191
	Orelia	2022-11-05	Motor7	RGB723	2022-11-05	193

**13. Name the customer whose inventory on hand is greater than number shipped?**

Query:- select name, orderdate, productname, productlabel, orderdate, numbershipped  
from products join orders  
on (products.id=orders.productid)  
where NumberShipped>180;

	name	orderdate	productname	productlabel	orderdate	numbershipped
►	Orelia	2022-11-05	Motor7	RGB723	2022-11-05	193
	Sigismund	2023-10-12	Motor2	RGB223	2023-10-12	191
	Ezekiel	2023-06-07	Motor	RGB123	2023-06-07	183

**14. Which product has the highest number of orders in the last 1 months?**

Query:- SELECT name, productname, productlabel, OrderDate, NumberShipped

FROM orders

join products

on(orders.productid=products.id)

WHERE OrderDate > (NOW() - INTERVAL 1 MONTH);

	name	productname	productlabel	OrderDate	NumberShipped
►	Jeff	Motor2	RGB223	2023-10-24	92
	Sigismund	Motor2	RGB223	2023-10-12	191
	Patricio	Motor7	RGB723	2023-10-08	95
	Conn	Motor7	RGB723	2023-10-15	62

**15. Supplier name from whom the inventory received is minimum**

Query:- Select supplier\_name, min(NumberReceived) from purchases

join suppliers

on(purchases.supplierid=suppliers.id);

	supplier_name	min(NumberReceived)
►	ShockWave Tech	20