


Q1. Print details of shipments (sales) where amounts are > 2,000 and boxes are <100?


select \*


FROM sales

WHERE Amount > 2000 AND Boxes < 100;

Result Grid

 Filter Rows:

Export: 

Wrap Cell Content: 

	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP19	G3	P10	2021-01-01 00:00:00	2387	134	89
	SP11	G2	P17	2021-01-04 00:00:00	2814	296	94
	SP07	G4	P13	2021-01-13 00:00:00	2121	130	89
	SP25	G2	P08	2021-01-14 00:00:00	2135	183	98
	SP17	G5	P01	2021-01-21 00:00:00	2408	106	90
	SP10	G3	P17	2021-01-22 00:00:00	2366	470	79
	SP13	G3	P16	2021-01-26 00:00:00	2296	113	96
	SP07	G2	P07	2021-01-29 00:00:00	2394	323	93
	SP01	G1	P22	2021-02-02 00:00:00	2436	203	94

Q2. How many shipments (sales) each of the sales persons had in the month of January 2022?

SELECT Salesperson, COUNT(PID) AS No\_Of\_sales

FROM sales JOIN people

ON sales.spid = people.spid

WHERE YEAR(saledate) = 2022 AND MONTH(saledate) = 1

GROUP BY Salesperson;

Result Grid		Filter Rows:
	Salesperson	No_of_sales
▶	Barr Faughny	31
	Kelci Walkden	44
	Rafaelita Blaksland	34
	Jan Morforth	28
	Marney O'Brien	32
	Wilone O'Kelt	38
	Van Tuxwell	43
	Beverie Moffet	36
	Dottv Strutlev	35

Q3. Which product sells more boxes? Milk Bars or Eclairs?

SELECT SUM(sales.Boxes) AS Total\_sale, Product

FROM sales JOIN products

ON sales.pid = products.pid

WHERE product IN ('Milk Bars', 'Eclairs')

GROUP BY product;

Result Grid			Filter Rows:
	Salesperson	No_of_sales	
▶	Barr Faughny	31	
	Kelci Walkden	44	
	Rafaelita Blaksland	34	
	Jan Morforth	28	
	Marney O'Brien	32	
	Wilone O'Kelt	38	
	Van Tuxwell	43	
	Beverie Moffet	36	
	Dottv Strutlev	35	

Q4. Which product sold more boxes in the first 7 days of February 2022? Milk Bars or Eclairs?

```
SELECT SUM(sales.boxes) AS BoxesSold, products.Product
```

```
FROM sales
```

```
JOIN products ON sales.pid = products.pid
```

```
WHERE products.Product IN ('Milk Bars', 'Eclairs') AND (sales.saledate BETWEEN '2022-02-01' AND '2022-02-07')
```

```
GROUP BY products.Product;
```

Result Grid			Filter Rows:
	BoxesSold	Product	
▶	818	Milk Bars	
	1019	Eclairs	

Q5. Which shipments had under 100 customers & under 100 boxes? Did any of them occur on Wednesday?

```
SELECT *
```

```
FROM sales
```

```
WHERE Customers < 100 and Boxes <100 AND dayname(saledate) = 'Wednesday';
```

Result Grid							
Filter Rows:				Export:	Wrap Cell Content:		
	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	SP09	G5	P09	2021-01-06 00:00:00	539	10	77
	SP20	G6	P19	2021-01-06 00:00:00	637	79	91
	SP09	G1	P19	2021-01-13 00:00:00	1078	76	77
	SP04	G4	P22	2021-01-20 00:00:00	1155	34	45
	SP24	G4	P11	2021-01-27 00:00:00	1309	97	51
	SP01	G3	P17	2021-02-10 00:00:00	1750	9	63
	SP09	G2	P01	2021-02-10 00:00:00	1974	47	86
	SP03	G1	P13	2021-02-10 00:00:00	630	41	28
	SP14	G5	P01	2021-03-03 00:00:00	420	43	15

Q1. What are the names of salespersons who had at least one shipment (sale) in the first 7 days of January 2022?

```

SELECT salesperson, COUNT(PID) AS NO_of_sales, sales.saledate
FROM people JOIN sales
ON people.SPID = sales.SPID
WHERE sales.saledate BETWEEN '2022-01-01' AND '2022-01-07'
GROUP BY salesperson, sales.SaleDate;

```

Result Grid			
Filter Rows:			
Export:			
	salesperson	NO_of_sales	saledate
▶	Kelci Walkden	3	2022-01-05 00:00:00
	Van Tuxwell	5	2022-01-05 00:00:00
	Beverie Moffet	3	2022-01-03 00:00:00
	Dotty Strutley	5	2022-01-05 00:00:00
	Gigi Bohling	1	2022-01-04 00:00:00
	Roddy Speechley	4	2022-01-03 00:00:00
	Van Tuxwell	3	2022-01-04 00:00:00
	Marney O'Brien	3	2022-01-07 00:00:00
	Dotty Strutley	3	2022-01-07 00:00:00

Q2. Which salespersons did not make any shipments in the first 7 days of January 2022?

```

SELECT *
FROM people JOIN sales
ON people.SPID = sales.SPID
WHERE Amount = 0 AND sales.saledate BETWEEN '2022-01-01' AND '2022-01-07';

```

Result Grid											
Filter Rows:											
Export:											
	Salesperson	SPID	Team	Location	SPID	GeoID	PID	SaleDate	Amount	Customers	Boxes
▶	Dotty Strutley	SP14	Delish	Wellington	SP14	G1	P11	2022-01-05 00:00:00	0	149	0

Q3. How many times we shipped more than 1,000 boxes in each month?

```
SELECT COUNT(PID) AS No_of_sale, MONTH(saledate) AS Month, YEAR(saledate) AS Year
FROM sales
WHERE Boxes > 1000
GROUP BY MONTH(saledate), YEAR(saledate);
```

Result Grid			
Filter Rows:			
	No_of_sale	Month	Year
▶	18	1	2021
	23	2	2021
	32	3	2021
	27	4	2021
	15	5	2021
	26	6	2021
	21	7	2021
	27	8	2021
	19	9	2021

Q4. Did we ship at least one box of 'After Nines' to 'New Zealand' on all the months?

```
SELECT Product, Geo, MONTH(saleDate) AS Month, YEAR(saleDate) AS Year, SUM(Boxes) AS
Total_boxes_sold
FROM sales
JOIN products ON sales.PID = products.PID
JOIN geo ON sales.GeoID = Geo.GeoID
WHERE Product = 'After Nines' AND Geo = 'New Zealand' AND Boxes > 1
GROUP BY Product, Geo, MONTH(saleDate), YEAR(saleDate)
ORDER BY YEAR(saleDate), MONTH(saleDate);
```

Result Grid					
Filter Rows:					
Export: Wra					
	Product	Geo	Month	Year	Total_boxes_sold
▶	After Nines	New Zealand	1	2021	1308
	After Nines	New Zealand	2	2021	1380
	After Nines	New Zealand	3	2021	796
	After Nines	New Zealand	4	2021	462
	After Nines	New Zealand	5	2021	886
	After Nines	New Zealand	6	2021	613
	After Nines	New Zealand	7	2021	577
	After Nines	New Zealand	8	2021	836
	After Nines	New Zealand	9	2021	1351

Q5. India or Australia? Who buys more chocolate boxes on a monthly basis?

```

SELECT

YEAR(s.saledate) AS Year,

MONTH(s.saledate) AS Month,

SUM(CASE WHEN g.geo = 'India' THEN s.Boxes ELSE 0 END) AS 'India Boxes',

SUM(CASE WHEN g.geo = 'Australia' THEN s.bboxes ELSE 0 END) AS 'Australia Boxes',

(SUM(CASE WHEN g.geo = 'India' THEN s.Boxes ELSE 0 END) - SUM(CASE WHEN g.geo = 'Australia'
THEN s.bboxes ELSE 0 END)) AS Difference

FROM

sales s

JOIN

geo g ON g.GeoID = s.GeoID

GROUP BY

YEAR(s.saledate), MONTH(s.saledate)

ORDER BY

YEAR(s.saledate), MONTH(s.saledate);

```

Result Grid		Filter Rows:		Export:	
	Year	Month	India Boxes	Australia Boxes	Difference
▶	2021	1	23937	25210	-1273
	2021	2	39717	27961	11756
	2021	3	39787	28123	11664
	2021	4	22514	35261	-12747
	2021	5	27531	32213	-4682
	2021	6	26518	29585	-3067
	2021	7	18924	29310	-10386
	2021	8	35982	33296	2686