





```

12      -- Use SELECT, WHERE, ORDER BY, GROUP BY
13  •    SELECT 'Order ID', sku, 'ship city', amount, currency
14      FROM amazon_sales_report
15      WHERE currency = 'INR'
16      ORDER BY amount DESC
17      LIMIT 10;
18
19      -- GroupBy

```

<div> <div>Result Grid</div> <div>   Filter Rows: <input type="text"/> </div> <div> Export:  </div> <div> Wrap Cell Content:  </div> </div>					
	Order ID	sku	ship city	amount	currency
►	Order ID	J0230-SKD-S	ship city	2224	INR
	Order ID	JNE3798-KR-M	ship city	2175	INR
	Order ID	J0008-SKD-XXL	ship city	2130	INR
	Order ID	SET436-KR-NP-XXXL	ship city	1999	INR
	Order ID	J0010-LCD-L	ship city	1902.86	INR
	Order ID	SET265-KR-NP-XS	ship city	1776	INR
	Order ID	J0011-LCD-S	ship city	1695	INR
	Order ID	J0011-LCD-S	ship city	1695	INR
	Order ID	J0228-SKD-S	ship city	1669	INR
	Order ID	J0228-SKD-S	ship city	1669	INR

```
19      -- GroupBy
20  •    SELECT status, COUNT(*) AS total_orders
21      FROM amazon_sales_report
22      GROUP BY status
23      ORDER BY total_orders DESC;
24
25
```

Result Grid



Filter Rows:

Export:



status	total_orders
Shipped	4315
Shipped - Delivered to Buyer	2088
Cancelled	623
Shipped - Returned to Seller	151
Shipped - Rejected by Buyer	2
Shipped - Lost in Transit	2

```

103      -- inner join
104  •    SELECT
105          o.order_id,
106          o.order_date,
107          p.category,
108          o.amount,
109          s.ship_city,
110          s.courier_status
111  FROM orders o
112  INNER JOIN products p ON o.sku = p.sku
113  INNER JOIN shipping s ON o.order_id = s.order_id
114  LIMIT 10;
115

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	order_id	order_date	category	amount	ship_city	courier_status
▶	405-8078784-5731545	2022-04-30	Set	647.62	MUMBAI	
	171-9198151-1101146	2022-04-30	kurta	406.00	BENGALURU	Shipped
	404-0687676-7273146	2022-04-30	kurta	329.00	NAVI MUMBAI	Shipped
	403-9615377-8133951	2022-04-30	Western Dress	753.33	PUDUCHERRY	
	407-1069790-7240320	2022-04-30	Top	574.00	CHENNAI	Shipped
	404-1490984-4578765	2022-04-30	Set	824.00	GHAZIABAD	Shipped
	408-5748499-6859555	2022-04-30	Set	653.00	CHANDIGARH	Shipped
	406-7807733-3785945	2022-04-30	kurta	399.00	HYDERABAD	Shipped
	402-4393761-0311520	2022-04-30	kurta	363.00	Chennai	Shipped
	407-5633625-6970741	2022-04-30	kurta	685.00	CHENNAI	Shipped

```

116      -- Left join
117
118  •    SELECT
119         o.order_id,
120         o.order_date,
121         p.category,
122         s.ship_city,
123         s.courier_status
124  FROM orders o
125  LEFT JOIN products p ON o.sku = p.sku
126  LEFT JOIN shipping s ON o.order_id = s.order_id
127  LIMIT 10;

```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	order_id	order_date	category	ship_city	courier_status
▶	405-8078784-5731545	2022-04-30	Set	MUMBAI	
	171-9198151-1101146	2022-04-30	kurta	BENGALURU	Shipped
	404-0687676-7273146	2022-04-30	kurta	NAVI MUMBAI	Shipped
	403-9615377-8133951	2022-04-30	Western Dress	PUDUCHERRY	
	407-1069790-7240320	2022-04-30	Top	CHENNAI	Shipped
	404-1490984-4578765	2022-04-30	Set	GHAZIABAD	Shipped
	408-5748499-6859555	2022-04-30	Set	CHANDIGARH	Shipped
	406-7807733-3785945	2022-04-30	kurta	HYDERABAD	Shipped
	402-4393761-0311520	2022-04-30	kurta	Chennai	Shipped
	407-5633625-6970741	2022-04-30	kurta	CHENNAI	Shipped


```

130      -- Right join
131
132 •    SELECT
133         s.order_id,
134         o.order_date,
135         p.category,
136         s.ship_city,
137         s.courier_status
138     FROM shipping s
139     RIGHT JOIN orders o ON s.order_id = o.order_id
140     RIGHT JOIN products p ON o.sku = p.sku
141     LIMIT 10;
142

```





Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	order_id	order_date	category	ship_city	courier_status
▶	405-8078784-5731545	2022-04-30	Set	MUMBAI	
	171-9198151-1101146	2022-04-30	kurta	BENGALURU	Shipped
	404-0687676-7273146	2022-04-30	kurta	NAVI MUMBAI	Shipped
	403-9615377-8133951	2022-04-30	Western Dress	PUDUCHERRY	
	407-1069790-7240320	2022-04-30	Top	CHENNAI	Shipped
	404-1490984-4578765	2022-04-30	Set	GHAZIABAD	Shipped
	408-5748499-6859555	2022-04-30	Set	CHANDIGARH	Shipped
	406-7807733-3785945	2022-04-30	kurta	HYDERABAD	Shipped
	402-4393761-0311520	2022-04-30	kurta	Chennai	Shipped
	407-5633625-6970741	2022-04-30	kurta	CHENNAI	Shipped

```

144      -- FULL OUTER JOIN using UNION
145  •   SELECT
146      o.order_id,
147      o.order_date,
148      s.ship_city,
149      s.courier_status
150  FROM orders o LEFT JOIN shipping s ON o.order_id = s.order_id
151  UNION
152  SELECT
153      o.order_id,
154      o.order_date,
155      s.ship_city,
156      s.courier_status
157  FROM shipping s
158  LEFT JOIN orders o ON o.order_id = s.order_id limit 10;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	order_id	order_date	ship_city	courier_status
▶	405-8078784-5731545	2022-04-30	MUMBAI	
	171-9198151-1101146	2022-04-30	BENGALURU	Shipped
	404-0687676-7273146	2022-04-30	NAVI MUMBAI	Shipped
	403-9615377-8133951	2022-04-30	PUDUCHERRY	
	407-1069790-7240320	2022-04-30	CHENNAI	Shipped
	404-1490984-4578765	2022-04-30	GHAZIABAD	Shipped
	408-5748499-6859555	2022-04-30	CHANDIGARH	Shipped
	406-7807733-3785945	2022-04-30	HYDERABAD	Shipped
	402-4393761-0311520	2022-04-30	Chennai	Shipped
	407-5633625-6970741	2022-04-30	CHENNAI	Shipped

```

168      -- Find all orders that used the same courier status as the top order (by amount)
169
170 •   SELECT o.order_id, o.amount, s.courier_status
171      FROM orders o
172      JOIN shipping s ON o.order_id = s.order_id
173      WHERE s.courier_status = (
174          SELECT s2.courier_status
175          FROM orders o2
176          JOIN shipping s2 ON o2.order_id = s2.order_id
177          ORDER BY o2.amount DESC
178          LIMIT 1
179      ) limit 10;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	order_id	amount	courier_status
▶	171-9198151-1101146	406.00	Shipped
	404-0687676-7273146	329.00	Shipped
	407-1069790-7240320	574.00	Shipped
	404-1490984-4578765	824.00	Shipped
	408-5748499-6859555	653.00	Shipped
	406-7807733-3785945	399.00	Shipped
	402-4393761-0311520	363.00	Shipped
	407-5633625-6970741	685.00	Shipped
	171-4638481-6326716	364.00	Shipped
	405-5513694-8146768	399.00	Shipped

```

182 -- useful aggregate query
183
184 • SELECT SUM(amount) AS total_sales_inr
185 FROM orders
186 WHERE currency = 'INR';
187
188 • SELECT fulfilment, AVG(amount) AS avg_order_amount
189 FROM orders
190 GROUP BY fulfilment;
191
192
193 -- view
194 -- 1. View: High Value INR Orders

```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:








	fulfilment	avg_order_amount
•	Merchant	609.517279
	Amazon	627.187650


```

196 • CREATE VIEW high_value_inr_orders AS
197     SELECT order_id, order_date, sku, amount, currency
198     FROM orders
199     WHERE currency = 'INR' AND amount > 2000;
200 • select * from high_value_inr_orders;
201
202 -- 2. View: Total Sales by City
203 • CREATE VIEW total_sales_by_city AS
204     SELECT s.ship_city, SUM(o.amount) AS total_sales
205     FROM orders o
206     JOIN shipping s ON o.order_id = s.order_id
207     GROUP BY s.ship_city;
208
209 • select * from total_sales_by_city;

```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content:  | Fetch rows: 

	ship_city	total_sales
►	MUMBAI	250595.56
	BENGALURU	393313.92
	NAVI MUMBAI	49250.00
	PUDUCHERRY	13344.33
	CHENNAI	197863.32
	GHAZIABAD	59752.30
	CHANDIGARH	8416.76
	HYDERABAD	306950.11
	NOIDA	50604.24
	Amravati.	399.00
	GUNTAKAL	544.00