CREATE TABLE Details(Order\_ID VARCHAR(10),Amount NUMERIC(10,2),Profit NUMERIC(10,2),Quantity INT,Category VARCHAR(20),Sub\_Category VARCHAR(20),PaymentMode VARCHAR(20)

);

COPY details FROM 'C:\Users\Aswat\Downloads\sales\Details.csv'

DELIMITER ',' CSV HEADER;

CREATE TABLE orders(Order\_ID VARCHAR(10),Order\_Date date ,CustomerName VARCHAR(30),State VARCHAR(50),City VARCHAR(50)

);

COPY orders FROM 'C:\Users\Aswat\Downloads\sales\Orders.csv'

DELIMITER ',' CSV HEADER;

--count of order

SELECT DISTINCT count(order\_id) FROM "public"."details";



-- extract month from order\_date

SELECT EXTRACT( MONTH FROM order\_date) FROM "public"."orders";

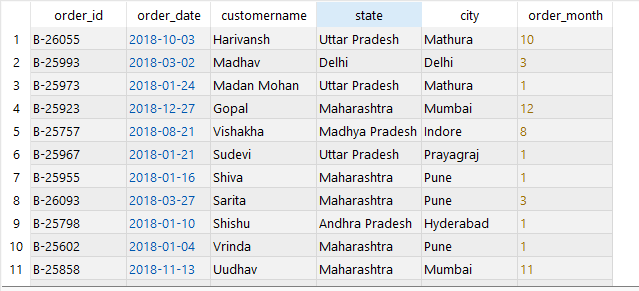


--alter and updating month in the table

ALTER TABLE orders ADD order\_month INT;

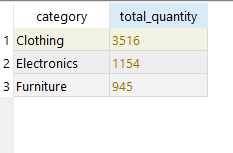
UPDATE orders SET order\_month=EXTRACT( MONTH FROM order\_date) ;

SELECT \* FROM orders;



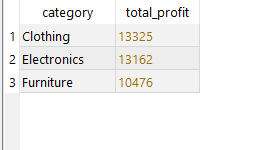
--Quantity Sold per Category

SELECT category,sum(quantity) AS total\_quantity FROM "public"."details" GROUP BY category ORDER BY total\_quantity DESC;



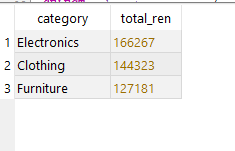
--product wth there profit

SELECT category,sum(profit) AS total\_profit FROM "public"."details" GROUP BY category ORDER BY total\_profit DESC;



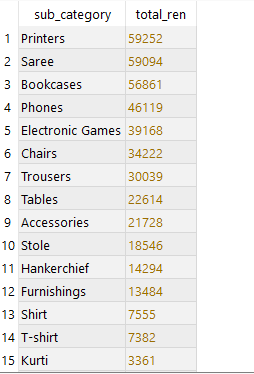
--product with highest ren

SELECT category,sum(amount) AS total\_ren FROM details GROUP BY category ORDER BY total\_ren DESC;



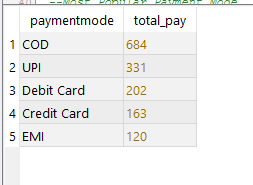
--highest sales based on the sub category

SELECT sub\_category, sum(amount) AS total\_ren FROM details GROUP BY sub\_category ORDER BY sum(amount) DESC;



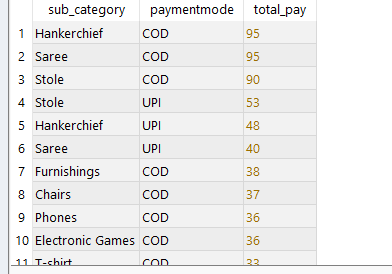
--Most Popular Payment Mode

SELECT paymentmode,count(\*) AS total\_pay FROM "public"."details" GROUP BY paymentmode ORDER BY total\_pay DESC;



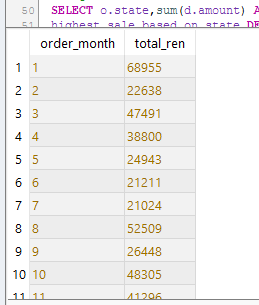
--Transaction Count by Sub-Category and Payment Mode

SELECT sub\_category, paymentmode,count(\*) AS total\_pay FROM "public"."details" GROUP BY sub\_category, paymentmode ORDER BY total\_pay DESC;



--Monthly Revenue Trend

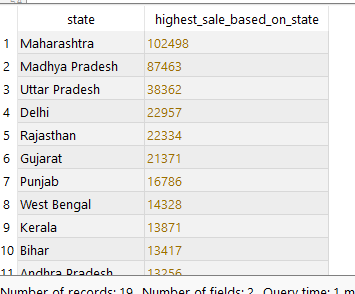
SELECT o.order\_month, sum(d.amount) AS total\_ren FROM "public"."orders" AS o JOIN details AS d USING (order\_id)GROUP BY o.order\_month ORDER BY o.order\_month ASC ;



--highest sales based on state

SELECT o.state,sum(d.amount) AS highest\_sale\_based\_on\_state FROM "public"."orders" AS o JOIN details AS d USING (order\_id)GROUP BY o.state ORDER BY

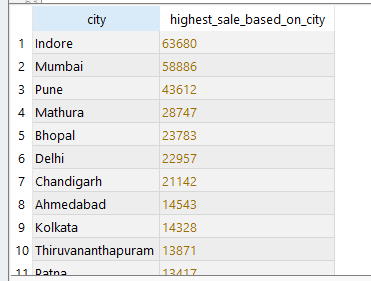
highest\_sale\_based\_on\_state DESC;



--highest sales based on city

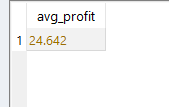
SELECT o.city,sum(d.amount) AS highest\_sale\_based\_on\_city FROM "public"."orders" AS o JOIN details AS d USING (order\_id)GROUP BY o.city ORDER BY

highest\_sale\_based\_on\_city DESC;



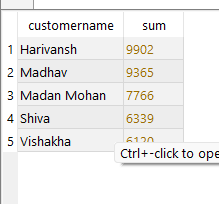
--Average Profit per Order

SELECT avg(profit)AS avg\_profit FROM "public"."details";



-- Top 5 Customers by Total Purchase

SELECT customername,sum(amount) FROM "public"."orders" AS o JOIN details AS d USING(order\_id) GROUP BY customername ORDER BY sum(amount) DESC LIMIT 5;



--Limit to a Date Range

SELECT o.order\_date,sum(d.profit) AS total\_profit FROM "public"."orders" AS o JOIN "public"."details" AS d USING(order\_id) WHERE o.order\_date BETWEEN '2018-01-01' AND '2018-06-30' GROUP BY o.order\_date ORDER BY o.order\_date;

