--1. Find out which product created more revenue in the month of October.

CREATE VIEW vw\_Total\_Revenue\_Oct

AS

SELECT DISTINCT i.item\_name, MONTH(s.sale\_date) AS sale\_month, SUM(s.quantity \* iu.unit\_price) AS TotalRevenueOct

FROM Item\_details i

INNER JOIN Item\_unit\_details iu

ON i.item\_id = iu.item\_id

INNER JOIN Sales\_details s

ON iu.item\_unit\_id = s.item\_unit\_id

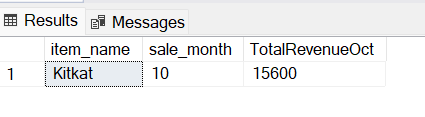
GROUP BY i.item\_name, MONTH(s.sale\_date)

HAVING MONTH(s.sale\_date) = 10;

SELECT item\_name, sale\_month, TotalRevenueOct

FROM vw\_Total\_Revenue\_Oct

WHERE TotalRevenueOct IN (SELECT MAX(TotalRevenueOct) FROM vw\_Total\_Revenue\_Oct);



--2.Find out which product sold more in Amal Store in the month of October

CREATE VIEW vw\_AmalStoreOct

AS

SELECT shop.shop\_name, i.item\_name, MONTH(s.sale\_date) AS sale\_month, SUM(s.quantity) AS TotalQuantitySold

FROM Item\_details i

INNER JOIN Item\_unit\_details iu

ON i.item\_id = iu.item\_id

INNER JOIN Sales\_details s

ON iu.item\_unit\_id = s.item\_unit\_id

INNER JOIN Shop\_details shop

ON s.shop\_id = shop.shop\_id

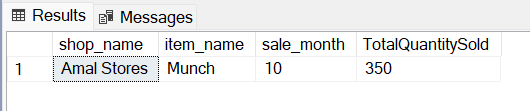
GROUP BY shop.shop\_name, i.item\_name, MONTH(s.sale\_date)

HAVING shop.shop\_name LIKE 'Amal Stores' AND MONTH(s.sale\_date) = 10;

SELECT shop\_name, item\_name, sale\_month, TotalQuantitySold

FROM vw\_AmalStoreOct

WHERE TotalQuantitySold IN (SELECT MAX(TotalQuantitySold) FROM vw\_AmalStoreOct);

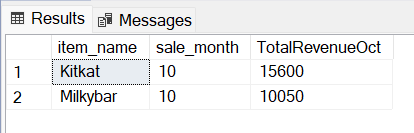


--3. Find out which all products crossed revenue more than Rs 10,000/- in the month of October

SELECT item\_name, sale\_month, TotalRevenueOct

FROM vw\_Total\_Revenue\_Oct

WHERE TotalRevenueOct > 10000;



--4. Find out the shop which can be selected for the best store award of Nestle for the month of October based on revenue.

CREATE VIEW vw\_Shop\_Total\_Revenue\_Oct

AS

SELECT DISTINCT shop.shop\_name, MONTH(s.sale\_date) AS sale\_month, SUM(s.quantity \* iu.unit\_price) AS TotalRevenueOct

FROM Item\_unit\_details iu

INNER JOIN Sales\_details s

ON iu.item\_unit\_id = s.item\_unit\_id

INNER JOIN Shop\_details shop

ON s.shop\_id = shop.shop\_id

GROUP BY shop.shop\_name, MONTH(s.sale\_date)

HAVING MONTH(s.sale\_date) = 10;

SELECT shop\_name, sale\_month, TotalRevenueOct

FROM vw\_Shop\_Total\_Revenue\_Oct

WHERE TotalRevenueOct IN (SELECT MAX(TotalRevenueOct) FROM vw\_Shop\_Total\_Revenue\_Oct);

