Hexaware Foundation Training 2025

Sql / Java Assignments

Courier Management System

27/03/2025

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Task 2

Task 3: GroupBy, Aggregate Functions, Having, Order By, where

- 14. Find the total number of couriers handled by each employee.
- 15. Calculate the total revenue generated by each location
- 16. Find the total number of couriers delivered to each location.
- 17. Find the courier with the highest average delivery time:
- 18. Find Locations with Total Payments Less Than a Certain Amount
- 19. Calculate Total Payments per Location
- 20. Retrieve couriers who have received payments totaling more than \$1000 in a specific location (LocationID = X):
- 21. Retrieve couriers who have received payments totaling more than \$1000 after a certain date (PaymentDate > 'YYYY-MM-DD'):
- 22. Retrieve locations where the total amount received is more than \$5000 before a certain date (PaymentDate > 'YYYY-MM-DD')

Query:

- -- 14 Determine the total number of couriers managed by each employee.
- -- However, since your schema lacks a direct Employee-Courier relationship,
- -- this query cannot be executed unless there is an assignment table that connects employees to couriers.
- -- If employees are responsible for handling couriers,
- -- you need to establish that relationship.

-- 15

SELECT Location.LocationID, Location.LocationName, SUM(Payment.Amount) AS TotalRevenue

FROM Payment

JOIN Location ON Payment.LocationID = Location.LocationID

GROUP BY Location.LocationID;

-- 16

SELECT ReceiverAddress, COUNT(CourierID) AS COUNT

FROM Courier

WHERE Status = 'Delivered'

GROUP BY ReceiverAddress;

- -- 17 Find the courier with the highest average delivery time.
- -- dispatch time not given so we can't find the average delivery time

-- 18

SELECT Location.Locationid, Location.LocationName, SUM(Payment.Amount) AS Total

FROM Payment

JOIN Location ON Payment.Locationid = Location.Locationid

GROUP BY Location.Locationid, Location.LocationName

HAVING Total < 55;

-- 19

SELECT Locationid, SUM(Amount) AS Total

FROM Payment

GROUP BY Locationid;

-- 20

SELECT Courier.SenderName, Courier.ReceiverName, SUM(Payment.Amount) AS Total

FROM Payment

JOIN Courier ON Payment.CourierID = Courier.CourierID

WHERE Payment.LocationID = 6

GROUP BY Courier.CourierID, Courier.SenderName, Courier.ReceiverName

HAVING Total < 1000;

-- 21

SELECT Courier.SenderName, Courier.ReceiverName, SUM(Payment.Amount) AS Total

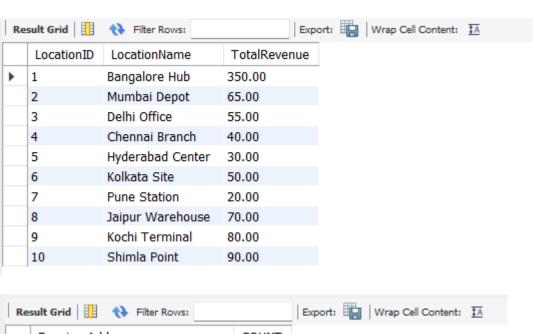
FROM Payment

JOIN Courier ON Payment.Courierid = Courier.Courierid

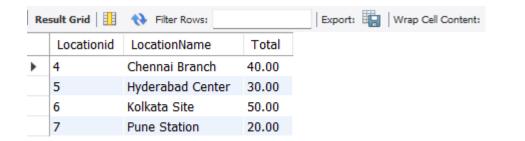
WHERE Payment.Paymentdate < '2023-12-24'

GROUP BY Courier.CourierID

HAVING Total < 1000;







Re	sult Grid	Filter
	Locationid	Total
١	1	350.00
	2	65.00
	3	55.00
	4	40.00
	5	30.00
	6	50.00
	7	20.00
	8	70.00
	9	80.00
	10	90.00

