

Hexaware Foundation Training 2025

Sql / Java Assignments

Courier Management System

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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;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	LocationID	LocationName	TotalRevenue
▶	1	Bangalore Hub	350.00
	2	Mumbai Depot	65.00
	3	Delhi Office	55.00
	4	Chennai Branch	40.00
	5	Hyderabad Center	30.00
	6	Kolkata Site	50.00
	7	Pune Station	20.00
	8	Jaipur Warehouse	70.00
	9	Kochi Terminal	80.00
	10	Shimla Point	90.00

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ReceiverAddress	COUNT
▶	45, Ring Road, Delhi	1
	88, FC Road, Pune, Maharashtra	1
	15, Park Street, Kochi, Kerala	1

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Locationid	LocationName	Total
▶	4	Chennai Branch	40.00
	5	Hyderabad Center	30.00
	6	Kolkata Site	50.00
	7	Pune Station	20.00





Result Grid





Filter Rows:

Export:

Wrap Cell Content:

	Locationid	Total
▶	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

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	SenderName	ReceiverName	Total		
▶	Gaurav Patel	Anjali Verma	50.00		

Result Grid			Filter Rows: <input type="text"/>	Export: 	Wrap Cell Content: 
	SenderName	ReceiverName	Total		
▶	Divya Nair	Manish Sharma	350.00		
	Sneha Kapoor	Ravi Singh	65.00		
	Asha Reddy	Vikram Menon	55.00		
	Vikram Menon	Pooja Joshi	40.00		
	Pooja Joshi	Gaurav Patel	30.00		