

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:

```
SELECT EmployeeID, COUNT(CourierID) AS TotalCouriers FROM Courier GROUP BY EmployeeID;
```

```
SELECT LocationID, SUM(Amount) AS TotalRevenue FROM Payment GROUP BY LocationID;
```

```
SELECT ReceiverAddress, COUNT(*) AS TotalDeliveries FROM Courier GROUP BY ReceiverAddress;
```

```
SELECT CourierID, AVG (DATEDIFF(DeliveryDate, NOW())) AS AvgDeliveryTime FROM Courier  
GROUP BY CourierID ORDER BY AvgDeliveryTime DESC LIMIT 1;
```

```
SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment GROUP BY LocationID  
HAVING TotalPayments < 500;
```

```
SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment GROUP BY LocationID;
```

```
SELECT CourierID, SUM(Amount) AS TotalPayments FROM Payment WHERE LocationID = 1  
GROUP BY CourierID HAVING TotalPayments > 1000;
```

```
SELECT CourierID, SUM(Amount) AS TotalPayments FROM Payment WHERE PaymentDate > '2025-  
03-01' GROUP BY CourierID HAVING TotalPayments > 1000;
```

```
SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment WHERE PaymentDate < '2025-  
03-01' GROUP BY LocationID HAVING TotalPayments > 5000;
```

Navigator: assignment - Schema Courier Management

74 • SELECT * FROM Courier WHERE SenderName = 'John Doe';
 75 • SELECT * FROM Courier;
 76 • SELECT * FROM Courier WHERE CourierID = 1;
 77 • SELECT * FROM Courier WHERE Status <> 'Delivered';
 78 • SELECT * FROM Courier WHERE DeliveryDate = CURDATE();
 79
 80 • SELECT * FROM Courier WHERE Status = 'In Transit';
 81 • SELECT CourierID, COUNT(*) AS TotalPackages FROM Courier GROUP BY CourierID;
 82 • SELECT CourierID, AVG(DATEDIFF(DeliveryDate, NOW())) AS AvgDeliveryTime FROM Courier GROUP BY CourierID;
 83 • SELECT * FROM Employee WHERE Name LIKE '%John%';
 84 • SELECT * FROM Payment WHERE Amount > 50;

Result Grid

PaymentID	CourierID	LocationID	Amount	PaymentDate
1	1	1	100.00	2025-03-30

85 • ALTER TABLE Courier ADD COLUMN EmployeeID INT;
 86 • ALTER TABLE Courier ADD FOREIGN KEY (EmployeeID) REFERENCES Employee(EmployeeID);
 87 • SELECT EmployeeID, COUNT(CourierID) AS TotalCouriers
 88 FROM Courier
 89 GROUP BY EmployeeID;
 90
 91

Result Grid

EmployeeID	TotalCouriers
1	2

90 • SELECT LocationID, SUM(Amount) AS TotalRevenue FROM Payment GROUP BY LocationID;

Result Grid

LocationID	TotalRevenue
1	100.00
2	50.00

91 • SELECT ReceiverAddress, COUNT(*) AS TotalDeliveries FROM Courier GROUP BY ReceiverAddress;

Result Grid

ReceiverAddress	TotalDeliveries
Los Angeles	1
New York	1

92 • SELECT CourierID, AVG(DATEDIFF(DeliveryDate, NOW())) AS AvgDeliveryTime FROM Courier GROUP BY CourierID ORDER BY AvgDeliveryTime D
 93
 94

Result Grid

CourierID	AvgDeliveryTime
1	1.0000

92 • `SELECT CourierID, AVG(DATEDIFF(DeliveryDate, NOW())) AS AvgDeliveryTime FROM Courier GROUP BY CourierID ORDER BY`

93

94 • `SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment GROUP BY LocationID HAVING TotalPayments < 500;`

95

96

Result Grid	
Filter Rows:	Export: Wrap Cell Content:
LocationID	TotalPayments
1	100.00
2	50.00

95

96 • `SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment GROUP BY LocationID;`

97

98

Result Grid	
Filter Rows:	Export: Wrap Cell Content:
LocationID	TotalPayments
1	100.00
2	50.00

97 • `SELECT CourierID, SUM(Amount) AS TotalPayments FROM Payment WHERE LocationID = 1 GROUP BY CourierID HAVING TotalPayments > 1000;`

98

99

Result Grid	
Filter Rows:	Export: Wrap Cell Content:
CourierID	TotalPayments

98 • `SELECT CourierID, SUM(Amount) AS TotalPayments FROM Payment WHERE PaymentDate > '2025-03-01' GROUP BY CourierID HAVING TotalPayments`

99

Result Grid	
Filter Rows:	Export: Wrap Cell Content:
CourierID	TotalPayments

99 • `SELECT LocationID, SUM(Amount) AS TotalPayments FROM Payment WHERE PaymentDate < '2025-03-01' GROUP BY LocationID HAVING TotalPayments`

100

Result Grid	
Filter Rows:	Export: Wrap Cell Content:
LocationID	TotalPayments