

# Hexaware Foundation Training 2025

## Sql / Java Assignments

### Courier Management System

29/03/2025

Karthikeyan M

#### Task 2

**Scope: Inner Queries, Non Equi Joins, Equi joins, Exist, Any, All**

- 49. Find couriers that have a weight greater than the average weight of all couriers
- 50. Find the names of all employees who have a salary greater than the average salary:
- 51. Find the total cost of all courier services where the cost is less than the maximum cost
- 52. Find all couriers that have been paid for
- 53. Find the locations where the maximum payment amount was made
- 54. Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender (e.g., 'SenderName');

Query:

```
SELECT *  
FROM Courier  
WHERE Weight > (SELECT AVG(Weight) FROM Courier);
```

```
SELECT Name  
FROM Employee  
WHERE Salary > (SELECT AVG(Salary) FROM Employee);
```

```
SELECT SUM(Cost) AS TotalCost  
FROM CourierServices  
WHERE Cost < (SELECT MAX(Cost) FROM CourierServices);
```

```
SELECT *  
FROM Courier  
WHERE CourierID IN (SELECT CourierID FROM Payment);
```

```
SELECT LocationID, LocationName  
FROM Location  
WHERE LocationID IN (  
    SELECT LocationID  
    FROM Payment  
    WHERE Amount = (SELECT MAX(Amount) FROM Payment)  
);
```

```
SELECT *  
FROM Courier  
WHERE Weight > ALL (  
    SELECT Weight  
    FROM Courier
```

```
WHERE SenderName = 'SenderName'
);
```

```
155 • SELECT *
156 FROM Courier
157 WHERE Weight > (SELECT AVG(Weight) FROM Courier);
158
159 • SELECT Name
160 FROM Employee
161 WHERE Salary > (SELECT AVG(Salary) FROM Employee);
162
163 • SELECT SUM(Cost) AS TotalCost
164 FROM CourierServices
165 WHERE Cost < (SELECT MAX(Cost) FROM CourierServices);
```

Result Grid										
Filter Rows:										
Edit: Export/Import: Wrap Cell Content:										
	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	EmployeeID
▶	1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01	NULL
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
159 • SELECT Name
160 FROM Employee
161 WHERE Salary > (SELECT AVG(Salary) FROM Employee);
162
163 • SELECT SUM(Cost) AS TotalCost
164 FROM CourierServices
165 WHERE Cost < (SELECT MAX(Cost) FROM CourierServices);
166
167 • SELECT *
```

Result Grid										
Filter Rows:										
Export: Wrap Cell Content:										
	Name									
▶	Michael									
	Rahul Sharma									

```

163 • SELECT SUM(Cost) AS TotalCost
164 FROM CourierServices
165 WHERE Cost < (SELECT MAX(Cost) FROM CourierServices);
166
167 • SELECT *
168 FROM CourierServices

```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	TotalCost			
▶	50.00			

```

169
170
171 • SELECT LocationID, LocationName
172 FROM Location
173 WHERE LocationID IN (
174     SELECT LocationID FROM Payment
175 )

```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate	EmployeeID
	1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01	NULL
	2	Smith	Los Angeles	John Doe	New York	2.50	Delivered	TRACK456	2025-03-29	NULL
▶	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```

171 • SELECT LocationID, LocationName
172 FROM Location
173 WHERE LocationID IN (
174     SELECT LocationID
175     FROM Payment
176     WHERE Amount = (SELECT MAX(Amount) FROM Payment)
177 );
178
179
180

```

Result Grid			Filter Rows:	<input type="text"/>	Edit:				Export/Import:			Wrap Cell Content
	LocationID	LocationName										
▶	1	New York Hub										
*	NULL	NULL										