

# Hexaware Foundation Training 2025

## Sql / Java Assignments

### Courier Management System

26/03/2025

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#### Task 2

##### **Task 2: Select,Where**

Solve the following queries in the Schema that you have created above

1. List all customers:
2. List all orders for a specific customer:
3. List all couriers:
4. List all packages for a specific order:
5. List all deliveries for a specific courier:
6. List all undelivered packages:
7. List all packages that are scheduled for delivery today:
8. List all packages with a specific status:
9. Calculate the total number of packages for each courier.
10. Find the average delivery time for each courier
11. List all packages with a specific weight range:
12. Retrieve employees whose names contain 'John'
13. Retrieve all courier records with payments greater than \$50.

Query:

After inserted

```
SELECT * FROM User;
```

```
SELECT * FROM Courier WHERE SenderName = 'John Doe';
```

```
SELECT * FROM Courier;
```

```
SELECT * FROM Courier WHERE CourierID = 1;
```

```
SELECT * FROM Courier WHERE CourierID = 1;
```

```
SELECT * FROM Courier WHERE Status <> 'Delivered';
```

```
SELECT * FROM Courier WHERE DeliveryDate = CURDATE();
```

```
SELECT * FROM Courier WHERE Status = 'In Transit';
```

```
SELECT CourierID, COUNT(*) AS TotalPackages FROM Courier GROUP BY CourierID;
```

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

```
SELECT * FROM Courier WHERE Weight BETWEEN 2 AND 6;
```

```
SELECT * FROM Employee WHERE Name LIKE '%John%';
```

```
SELECT * FROM Payment WHERE Amount > 50;
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'SCHEMAS' pane shows a tree view with 'assignment' (containing Tables, Views, Stored Procedures, Functions) and 'sys'. The main window displays a script with the following SQL code:

```
64  
65 • INSERT INTO Location (LocationName, Address) VALUES  
66 ('New York Hub', 'NY Main Street'),  
67 ('Los Angeles Hub', 'LA Central Street');  
68  
69 • INSERT INTO Payment (CourierID, LocationID, Amount, PaymentDate) VALUES  
70 (1, 1, 100.00, '2025-03-30'),  
71 (2, 2, 50.00, '2025-03-28');  
72 • SELECT * FROM User;  
73  
74
```

Below the script, the 'Result Grid' shows the results of the 'SELECT \* FROM User;' query:

UserID	Name	Email	Password	ContactNumber	Address
1	John Doe	john@example.com	password123	9876543210	New York
2	Smith	alice@example.com	alicepass	8765432109	Los Angeles

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74 • SELECT * FROM Courier WHERE SenderName = 'John Doe';
```

Below the script, the 'Result Grid' shows the results of the 'SELECT \* FROM Courier WHERE SenderName = 'John Doe';' query:

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01

Navigator: assignment - Schema Courier Management

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 75 • SELECT \* FROM Courier;  
 76

Result Grid

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

Navigator: assignment - Schema Courier Management

66 ('New York Hub', 'NY Main Street'),  
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Navigator: assignment - Schema Courier Management

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Result Grid

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1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01

Navigator: SCHEMAS  
Filter objects  
assignment  
Tables  
Views  
Stored Procedures  
Functions  
sys

assignment - Schema Courier Management\*  
Limit to 1000 row

```

68
69 • INS Execute the statement under the keyboard cursor onID, Amount, PaymentDate) VALUES
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79

```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

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1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01

Navigator: SCHEMAS  
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81

```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	John Doe	New York	Alice Smith	Los Angeles	5.00	In Transit	TRACK123	2025-04-01

Navigator: SCHEMAS  
Filter objects  
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80 • SELECT * FROM Courier WHERE Status = 'In Transit';
81 • SELECT CourierID, COUNT(*) AS TotalPackages FROM Courier GROUP BY CourierID;
82

```

Result Grid Filter Rows: Export: Wrap Cell Content:

CourierID	TotalPackages
1	1
2	1

Navigator: assignment - Schema Courier Management

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73

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;

Result Grid

CourierID	AvgDeliveryTime
1	1.0000
2	-2.0000

Navigator: assignment - Schema Courier Management

73

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';

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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%';

Result Grid

EmployeeID	Name	Email	ContactNumber	Role	Salary
1	John Doe	john.doe@company.com	1234567890	Driver	1000

Navigator: assignment - Schema Courier Management

74 • SELECT \* FROM Courier WHERE SenderName = 'John Doe';

75 • SELECT \* FROM Courier;

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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