ASSIGNMENT : COURIER MANAGEMENT SYSTEM

PRIYADARSHINI S

DAY 4

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'):

49. Find couriers that have a weight greater than the average weight of all couriers

mysql> select \* from courier

-> where weight > (select avg(weight) from courier);

+-----------+----------+------------+--------+-----------+----------------+--------------+---------------------+------------+

| CourierID | SenderID | ReceiverID | Weight | Status | TrackingNumber | DeliveryDate | HandledByEmployeeID | SentDate |

+-----------+----------+------------+--------+-----------+----------------+--------------+---------------------+------------+

| 103 | 4 | 7 | 5.00 | Pending | TRK765432 | 2025-04-01 | 303 | 2025-03-10 |

| 104 | 6 | 1 | 4.20 | Shipped | TRK654321 | 2025-03-29 | NULL | NULL |

| 106 | 7 | 3 | 6.50 | Delivered | TRK432109 | 2025-03-27 | NULL | NULL |

+-----------+----------+------------+--------+-----------+----------------+--------------+---------------------+------------+

3 rows in set (0.03 sec)

50. Find the names of all employees who have a salary greater than the average salary:

mysql> select name from employee

-> where salary > (select avg(salary) from employee);

+------+

| name |

+------+

| Neha |

+------+

1 row in set (0.01 sec)

51. Find the total cost of all courier services where the cost is less than the maximum cost

mysql> select sum(cost) as total\_cost from courierservices

-> where cost < (select max(cost) from courierservices);

+------------+

| total\_cost |

+------------+

| 5.99 |

+------------+

1 row in set (0.01 sec)

52. Find all couriers that have been paid for

mysql> select \* from courier

-> where courierid in (select courierid from payment);

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

| CourierID | SenderID | ReceiverID | Weight | Status | TrackingNumber | DeliveryDate | HandledByEmployeeID | SentDate |

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

| 101 | 1 | 2 | 3.20 | Shipped | TRK987654 | 2025-03-30 | 301 | 2025-03-20 |

| 102 | 3 | 5 | 2.50 | Delivered | TRK876543 | 2025-03-28 | 302 | 2025-03-15 |

| 103 | 4 | 7 | 5.00 | Pending | TRK765432 | 2025-04-01 | 303 | 2025-03-10 |

| 104 | 6 | 1 | 4.20 | Shipped | TRK654321 | 2025-03-29 | NULL | NULL |

| 105 | 2 | 4 | 3.75 | In Transit | TRK543210 | 2025-03-31 | NULL | NULL |

| 106 | 7 | 3 | 6.50 | Delivered | TRK432109 | 2025-03-27 | NULL | NULL |

| 107 | 5 | 6 | 1.80 | Pending | TRK321098 | 2025-04-02 | NULL | NULL |

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

7 rows in set (0.01 sec)

53. Find the locations where the maximum payment amount was made

mysql> select locationid, amount from payment

-> where amount = (select max(amount) from payment);

+------------+--------+

| locationid | amount |

+------------+--------+

| 402 | 12.99 |

| 401 | 12.99 |

| 403 | 12.99 |

+------------+--------+3 rows in set (0.00 sec)

54. Find all couriers whose weight is greater than the weight of all couriers sent by a specific sender (e.g., 'SenderName'):

mysql> select \* from courier

-> where weight > all (select weight from courier where senderid = 1);

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

| CourierID | SenderID | ReceiverID | Weight | Status | TrackingNumber | DeliveryDate | HandledByEmployeeID | SentDate |

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

| 103 | 4 | 7 | 5.00 | Pending | TRK765432 | 2025-04-01 | 303 | 2025-03-10 |

| 104 | 6 | 1 | 4.20 | Shipped | TRK654321 | 2025-03-29 | NULL | NULL |

| 105 | 2 | 4 | 3.75 | In Transit | TRK543210 | 2025-03-31 | NULL | NULL |

| 106 | 7 | 3 | 6.50 | Delivered | TRK432109 | 2025-03-27 | NULL | NULL |

+-----------+----------+------------+--------+------------+----------------+--------------+---------------------+------------+

4 rows in set (0.01 sec)