HEXAWARE - ASSIGNMENT 4

COURIER MANAGEMENT SYSTEM

NAME : SRINATH N S S

TASK 3 : Group By, Aggregate Functions, Having, Order By, where

1. Find the total number of couriers handled by each employee.

Select \* From Payment

--Question 1

SELECT e.EmployeeID, e.Name, COUNT(c.CourierID) AS TotalCouriersHandled

FROM Employee e, Courier c

WHERE e.EmployeeID = c.EmployeeID

GROUP BY e.EmployeeID, e.Name;

--Question 2

Select location.locationid,location.locationName,sum(Payment.Amount) as Revenue

From location, payment

Where location.locationid = payment.locationid

Group by location.locationid, Location.locationname;

--Question 3

Select count(payment.courierid) as Couriers\_Delivered , Location.LocationName

From Payment,Location

Where location.locationid = payment.locationid

Group by Location.LocationID,Location.LocationName;

--Question 4

select top 1 CourierID, avg(Datediff(day, DeliveryDate, getdate())) as Average\_Delivery\_Time

from Courier

group by CourierID

order by Average\_Delivery\_Time desc;

Select \* from Location

--Question 5

SELECT l.LocationID, l.LocationName, SUM(p.Amount) AS TotalPayment

FROM Location l

JOIN Payment p

ON l.LocationID = p.LocationID

GROUP BY l.LocationID, l.LocationName

HAVING SUM(p.Amount) < 200;

-- Question 6

select LocationID,count(PaymentID) as Payments

from Payment

Group by LocationID;

Select \* from Payment

Update Payment

SET Amount=2000

Where PaymentID=1

--Question 7

SELECT c.CourierID, c.SenderName, c.ReceiverName, p.Amount

FROM Courier c

JOIN Payment p

ON c.CourierID = p.CourierID

WHERE p.LocationID = 2

GROUP BY c.CourierID, c.SenderName, c.ReceiverName, p.Amount

HAVING SUM(p.Amount) > 1000;

--Question 8

Select \* from Courier

SELECT c.CourierID, c.SenderName, c.ReceiverName, SUM(p.Amount) AS TotalPayment

FROM Courier c

JOIN Payment p

ON c.CourierID = p.CourierID

WHERE p.PaymentDate > '2024-03-16'

GROUP BY c.CourierID, c.SenderName, c.ReceiverName

HAVING SUM(p.Amount) > 1000;

--Question 9

Select \* from Payment

Select \* from Courier

INSERT INTO Payment (PaymentID, CourierID, LocationID, Amount, PaymentDate) VALUES

(9, 8, 2, 1800, '2024-04-08'),

(10, 6,6, 3000, '2024-04-09');

SELECT LocationID, SUM(Amount) AS TotalAmount

FROM Payment

WHERE PaymentDate < '2024-12-31'

GROUP BY LocationID

HAVING SUM(Amount) > 5000;