HEXAWARE - ASSIGNMENT 4

COURIER MANAGEMENT SYSTEM

NAME : SRINATH N S S

TASK 4 : Inner Join,Full Outer Join, Cross Join, Left Outer Join,Right Outer JoinDatabase Design

USE ASSIGNMENT;

--Question 23

Select \* from payment

SELECT p.PaymentID, p.Amount, p.PaymentDate, c.CourierID, c.SenderName, c.ReceiverName, c.TrackingNumber FROM Payment p

JOIN Courier c ON p.CourierID = c.CourierID;

--Question 24

Select \* from Location

SELECT p.PaymentID, p.Amount, p.PaymentDate, l.LocationID, l.LocationName, l.Address FROM Payment p

JOIN Location l ON p.LocationID = l.LocationID;

--Question 25

SELECT p.PaymentID,p.Amount,p.PaymentDate,c.CourierID, c.TrackingNumber,l.LocationID,l.LocationName FROM Payment p

JOIN Courier c

ON p.CourierID = c.CourierID

JOIN Location l

ON p.LocationID = l.LocationID;

--Question 26

--Doubt

SELECT p.PaymentID, p.Amount, p.PaymentDate, c.CourierID, c.SenderName, c.ReceiverName, c.TrackingNumber FROM Payment p

JOIN Courier c ON p.CourierID = c.CourierID;

--Question 27

SELECT c.CourierID, SUM(p.Amount) AS TotalPayment FROM Courier c

JOIN Payment p

ON c.CourierID = p.CourierID

GROUP BY c.CourierID;

--Question 28

SELECT \* FROM Payment

WHERE PaymentDate = '2024-04-09';

--Question 29

SELECT p.PaymentID, c.CourierID, c.SenderName, c.ReceiverName, c.Weight, c.Status, c.TrackingNumber, c.DeliveryDate

FROM Payment p

JOIN Courier c

ON p.CourierID = c.CourierID

--Question 30

Same as 24

--Question 31

Same as 26

--Question 32

SELECT \* FROM Payment

WHERE PaymentDate BETWEEN '2024-02-10' AND '2024-04-13';

--Question 33

SELECT \* FROM Users u

LEFT JOIN Courier c

ON u.UserID = c.CourierID; --If no courier id details will be null

--Question 34

SELECT c.CourierID, c.SenderName, cs.ServiceName

FROM Courier c

LEFT JOIN CourierServices cs

on c.CourierID = cs.ServiceID; -- if courier no service service details null

--Question 35

use Assignment;

SELECT e.EmployeeID, e.Name AS EmployeeName, e.Email AS EmployeeEmail, p.PaymentID, p.Amount

FROM Employee e

LEFT JOIN Payment p ON e.EmployeeID = p.CourierID

--Question 36

SELECT u.Name,cs.ServiceName

FROM Users u

CROSS JOIN CourierServices cs;

--Question 37

SELECT e.Name,l.LocationName

FROM Employee e

CROSS JOIN Location l;

--Question 38

SELECT CourierID,SenderName,SenderAddress

FROM Courier

--Question 39

SELECT CourierID,ReceiverName,ReceiverAddress

FROM Courier;

--Question 40 D

SELECT c.CourierID, c.SenderName, c.ReceiverName, cs.ServiceName, cs.Cost

FROM Courier c

left join CourierServices cs

on c.Weight BETWEEN 0 AND 10

--Question 41

Employee table doesn’t have courierid, so the employees who delivered which courier cannot be found

--Question 42

Select l.LocationName,SUM(p.Amount) AS totalpayment

from Location l

left join Payment p

on l.LocationID = p.LocationID

group by l.LocationName;

--Question 43

SELECT \* FROM Courier

WHERE SenderName = 'Srinath';

--Question 44

SELECT Role, COUNT(\*) 'Count' FROM Employee

GROUP BY Role

HAVING COUNT(\*) > 1;

--Question 45

select l.locationid,l.locationname,p.amount from payment p

join location l

on p.locationid = l.locationid

group by l.locationid,l.locationname,p.amount

order by l.locationname

--Question 46

select l.locationid,l.locationname,p.amount from payment p

join location l

on p.locationid = l.locationid

group by l.locationid,l.locationname,p.amount

order by l.locationname

--Question 47

SELECT e.EmployeeID, e.FirstName, e.LastName, COUNT(c.CourierID) AS NumCouriersDelivered

FROM Employee e

LEFT JOIN Courier c ON e.EmployeeID = c.EmployeeID

LEFT JOIN Parcels p ON c.CourierID = p.CourierID

GROUP BY e.EmployeeID, e.FirstName, e.LastName;

--Question 48

select P.CourierID,CS.ServiceName,CS.Cost as "Cost",P.Amount as "Amount" from Payment P

Join courierservices cs

on P.CourierID = CS.ServiceID

where P.Amount > CS.Cost

group by P.CourierID,CS.ServiceName,CS.Cost,P.Amount

order by P.CourierID

Scope :

--Question 49

Select \* from Courier

WHERE Weight>

(Select avg(Weight)from Courier);

--Question 50

Select Name,Salary from Employee

WHERE Salary >

(SELECT AVG(Salary)FROM Employee);

--Question 51

select sum(cost) as TotalCost from CourierServices

WHERE Cost <

(Select max(cost)from CourierServices);

--Question 52

select \* from Courier

where CourierID in (select CourierID from Payment);

--Question 53

Select l.LocationID, l.LocationName,p.Amount from Payment p

join Location l

on p.LocationID = l.LocationID

where p.Amount =

( SELECT MAX(Amount)FROM Payment );

--Question 54

Select \* from Courier

WHERE Weight >

(select max(Weight)from Courier where SenderName = 'Priya');