

Courier Management System

Task 4

Retrieve Payments with Courier Information

```
select p.PaymentID, p.CourierID, p.Amount, p.PaymentDate, c.SenderName, c.ReceiverName
from Payment p
join Courier c on p.CourierID = c.CourierID;
```

Results		Messages				
	PaymentID	CourierID	Amount	PaymentDate	SenderName	ReceiverName
1	1	1	250.50	2025-02-10	virat	arun
2	2	2	180.75	2025-03-15	dhoni	geetha
3	3	3	300.25	2025-03-18	vijay	babu
4	4	4	220.40	2025-02-25	karthi	lakshmi
5	5	5	275.90	2025-04-02	surya	nandhini
6	6	6	315.60	2025-01-22	meena	venkat
7	7	7	150.30	2025-02-05	anbu	ramesh
8	8	8	195.80	2025-03-27	selvi	deepak
9	9	9	320.50	2025-02-14	dinesh	arun
10	10	10	210.25	2025-03-12	vetri	kavitha
11	11	11	275.75	2025-03-25	prakash	nandhini
12	12	12	295.60	2025-03-25	revathi	arun
13	13	13	185.90	2025-03-24	virat	dinesh
14	14	14	260.40	2025-03-25	selvi	babu
15	15	1	255.30	2025-02-11	virat	arun
16	16	2	185.70	2025-03-16	dhoni	geetha

Retrieve Payments with Location Information

```
select p.PaymentID, p.CourierID, p.LocationId, p.Amount, p.PaymentDate,
l.LocationName, l.Address
from Payment p
join Location l on p.LocationId = l.LocationID;
```

Results		Messages					
	PaymentID	CourierID	LocationId	Amount	PaymentDate	LocationName	Address
1	1	1	1	250.50	2025-02-10	madurai hub	7 lion street, mad
2	2	2	2	180.75	2025-03-15	trichy branch	17 king street, tric
3	3	3	3	300.25	2025-03-18	chennai main center	21 mg road, chen
4	4	4	4	220.40	2025-02-25	coimbatore warehouse	5 anna nagar, coi
5	5	5	5	275.90	2025-04-02	salem dispatch unit	10 park avenue, s
6	6	6	6	315.60	2025-01-22	vellore sorting center	2 vikasa road, vell
7	7	7	7	150.30	2025-02-05	cuddalore distribution	4 mainroad, cudd
8	8	8	8	195.80	2025-03-27	erode parcel station	76 kamarajar roa
9	9	9	9	320.50	2025-02-14	thanjavur logistics	12 rajaji street, thi
10	10	10	10	210.25	2025-03-12	kanchipuram transit	19 temple road, k
11	11	11	11	275.75	2025-03-25	madurai parcel station	9 nehru nagar, m
12	12	12	12	295.60	2025-03-25	trichy express center	30 anna salai, tric
13	13	13	13	185.90	2025-03-24	salem fast dispatch	11 anna nagar, ei
14	14	14	14	260.40	2025-03-25	thanajvur express depot	23 rajaji street, thi
15	15	1	15	255.30	2025-02-11	madurai quick logistics	55 market street, i

Retrieve Payments with Courier and Location Information

```
select p.PaymentID, p.CourierID, p.LocationId,c.SenderName, c.ReceiverName, c.TrackingNumber,
c.status ,
```

```
p.Amount, p.PaymentDate,l.LocationName, l.Address
```

```
from Payment p
```

```
join Courier c on p.CourierID = c.CourierID
```

```
join Location l on p.LocationId = l.LocationID;
```

Results Messages											
	PaymentID	CourierID	LocationId	SenderName	ReceiverName	TrackingNumber	status	Amount	PaymentDate	LocationName	Address
1	1	1	1	virat	arun	TRK001	delivered	250.50	2025-02-10	madurai hub	7 lion street, madurai
2	2	2	2	dhoni	geetha	TRK002	pending	180.75	2025-03-15	trichy branch	17 king street, trichy
3	3	3	3	vijay	babu	TRK003	transported	300.25	2025-03-18	chennai main center	21 mg road, chennai
4	4	4	4	karthi	lakshmi	TRK004	delivered	220.40	2025-02-25	coimbatore warehouse	5 anna nagar, coimbatore
5	5	5	5	surya	nandhini	TRK005	shipped	275.90	2025-04-02	saalem dispatch unit	10 park avenue, saalem
6	6	6	6	meena	venkat	TRK006	delivered	315.60	2025-01-22	vellore sorting center	2 vikasa road, vellore
7	7	7	7	anbu	ramesh	TRK007	transported	150.30	2025-02-05	cuddalore distribution	4 mainroad, cuddalore
8	8	8	8	selvi	deepak	TRK008	shipped	195.80	2025-03-27	erode parcel station	76 kamarajar road, erode
9	9	9	9	dinesh	arun	TRK009	delivered	320.50	2025-02-14	thanjavur logistics	12 rajaji street, thanjavur
10	10	10	10	vetri	kavitha	TRK010	pending	210.25	2025-03-12	kanchipuram transit	19 temple road, kanchipuram
11	11	11	11	prakash	nandhini	TRK011	delivered	275.75	2025-03-25	madurai parcel station	9 nehru nagar, madurai
12	12	12	12	revathi	arun	TRK012	out for delivery	295.60	2025-03-25	trichy express center	30 anna salai, trichy
13	13	13	13	virat	dinesh	TRK013	delivered	185.90	2025-03-24	saalem fast dispatch	11 anna nagar, erode
14	14	14	14	selvi	babu	TRK014	in transit	260.40	2025-03-25	thanjavur express depot	23 rajaji street, thanjavur
15	15	1	15	virat	arun	TRK001	delivered	255.30	2025-02-11	madurai quick logistics	55 market street, madurai

List all payments with courier details

```
select p.PaymentID, p.CourierID, p.Amount, p.PaymentDate,c.SenderName, c.ReceiverName
,c.status
```

```
from Payment p
```

```
join Courier c on p.CourierID = c.CourierID;
```

Results Messages							
	PaymentID	CourierID	Amount	PaymentDate	SenderName	ReceiverName	status
1	1	1	250.50	2025-02-10	virat	arun	delivered
2	2	2	180.75	2025-03-15	dhoni	geetha	pending
3	3	3	300.25	2025-03-18	vijay	babu	transported
4	4	4	220.40	2025-02-25	karthi	lakshmi	delivered
5	5	5	275.90	2025-04-02	surya	nandhini	shipped
6	6	6	315.60	2025-01-22	meena	venkat	delivered
7	7	7	150.30	2025-02-05	anbu	ramesh	transported
8	8	8	195.80	2025-03-27	selvi	deepak	shipped
9	9	9	320.50	2025-02-14	dinesh	arun	delivered
10	10	10	210.25	2025-03-12	vetri	kavitha	pending
11	11	11	275.75	2025-03-25	prakash	nandhini	delivered
12	12	12	295.60	2025-03-25	revathi	arun	out for delivery
13	13	13	185.90	2025-03-24	virat	dinesh	delivered
14	14	14	260.40	2025-03-25	selvi	babu	in transit
15	15	1	255.30	2025-02-11	virat	arun	delivered
16	16	2	185.70	2025-03-16	dhoni	geetha	pending

Total payments received for each courier

```
Select p.CourierID, c.SenderName, c.ReceiverName, c.TrackingNumber, sum(p.Amount) as
TotalPayment from Payment p
```

```
join Courier c on p.CourierID = c.CourierID group by p.CourierID, c.SenderName, c.ReceiverName,
c.TrackingNumber;
```

Results Messages					
	CourierID	SenderName	ReceiverName	TrackingNumber	TotalPayment
1	1	virat	arun	TRK001	505.80
2	2	dhoni	geetha	TRK002	366.45
3	3	vijay	babu	TRK003	611.05
4	4	karthi	lakshmi	TRK004	445.90
5	5	surya	nandhini	TRK005	546.80
6	6	meena	venkat	TRK006	641.00
7	7	anbu	ramesh	TRK007	150.30
8	8	selvi	deepak	TRK008	195.80
9	9	dinesh	arun	TRK009	320.50
10	10	vetri	kavitha	TRK010	210.25
11	11	prakash	nandhini	TRK011	275.75
12	12	revathi	arun	TRK012	295.60
13	13	virat	dinesh	TRK013	185.90

List payments made on a specific date

```
select p.PaymentID, p.CourierID, p.LocationId, p.Amount, p.PaymentDate,c.SenderName,
c.ReceiverName, c.TrackingNumber
```

```
from Payment p
```

```
JOIN Courier c on p.CourierID = c.CourierID
```

```
where p.PaymentDate = '2025-01-22';
```

Results Messages								
	PaymentID	CourierID	LocationId	Amount	PaymentDate	SenderName	ReceiverName	TrackingNumber
1	6	6	6	315.60	2025-01-22	meena	venkat	TRK006

Get Courier Information for Each Payment

```
select p.PaymentID, p.CourierID, c.SenderName, c.ReceiverName, c.TrackingNumber, c.status
,c.PickupDate
```

```
from Payment p
```

```
join Courier c on p.CourierID = c.CourierID
```

Results Messages							
	PaymentID	CourierID	SenderName	ReceiverName	TrackingNumber	status	PickupDate
1	1	1	virat	arun	TRK001	delivered	2025-02-05
2	2	2	dhoni	geetha	TRK002	pending	2025-03-10
3	3	3	vijay	babu	TRK003	transported	2025-03-14
4	4	4	karthi	lakshmi	TRK004	delivered	2025-02-20
5	5	5	surya	nandhini	TRK005	shipped	2025-03-29
6	6	6	meena	venkat	TRK006	delivered	2025-01-18
7	7	7	anbu	ramesh	TRK007	transported	2025-02-01
8	8	8	selvi	deepak	TRK008	shipped	2025-03-23
9	9	9	dinesh	arun	TRK009	delivered	2025-02-10
10	10	10	vetri	kavitha	TRK010	pending	2025-03-08
11	11	11	prakash	nandhini	TRK011	delivered	2025-03-21
12	12	12	revathi	arun	TRK012	out for delivery	2025-03-21
13	13	13	virat	dinesh	TRK013	delivered	2025-03-20
14	14	14	selvi	babu	TRK014	in transit	2025-03-22
15	15	1	virat	arun	TRK001	delivered	2025-02-05
16	16	2	dhoni	geetha	TRK002	pending	2025-03-10

Get Payment Details with Location

```
select p.PaymentID, p.CourierID, p.Amount, p.PaymentDate,
```

```
l.LocationID, l.LocationName, l.Address from Payment p join Location l on p.LocationID =
l.LocationID;
```

Results Messages							
	PaymentID	CourierID	Amount	PaymentDate	LocationID	LocationName	Address
1	1	1	250.50	2025-02-10	1	madurai hub	7 lion street, mad
2	2	2	180.75	2025-03-15	2	trichy branch	17 king street, tric
3	3	3	300.25	2025-03-18	3	chennai main center	21 mg road, cher
4	4	4	220.40	2025-02-25	4	coimbatore warehouse	5 anna nagar, coi
5	5	5	275.90	2025-04-02	5	saalem dispatch unit	10 park avenue, s
6	6	6	315.60	2025-01-22	6	vellore sorting center	2 vikasa road, vel
7	7	7	150.30	2025-02-05	7	cuddalore distribution	4 mainroad, cudc
8	8	8	195.80	2025-03-27	8	erode parcel station	76 kamarajar roa
9	9	9	320.50	2025-02-14	9	thanjavur logistics	12 rajaji street, th
10	10	10	210.25	2025-03-12	10	kanchipuram transit	19 temple road, k
11	11	11	275.75	2025-03-25	11	madurai parcel station	9 nehru nagar, m
12	12	12	295.60	2025-03-25	12	trichy express center	30 anna salai, tric
13	13	13	185.90	2025-03-24	13	saalem fast dispatch	11 anna nagar, e
14	14	14	260.40	2025-03-25	14	thanajvur express depot	23 rajaji street, th
15	15	1	255.30	2025-02-11	15	madurai quick logistics	55 market street,

Calculating Total Payments for Each Courier

select p.CourierID, sum(p.Amount) as TotalAmount

from Payment p

group by p.CourierID

order by CourierID ;

Results Messages		
	CourierID	TotalAmount
1	1	505.80
2	2	366.45
3	3	611.05
4	4	445.90
5	5	546.80
6	6	641.00
7	7	150.30
8	8	195.80
9	9	320.50
10	10	210.25
11	11	275.75
12	12	295.60
13	13	185.90
14	14	260.40

List Payments Within a Date Range

select *from Payment where PaymentDate between'2025-03-01' AND '2025-03-30';

Results Messages					
	PaymentID	CourierID	LocationID	Amount	PaymentDate
1	2	2	2	180.75	2025-03-15
2	3	3	3	300.25	2025-03-18
3	8	8	8	195.80	2025-03-27
4	10	10	10	210.25	2025-03-12
5	11	11	11	275.75	2025-03-25
6	12	12	12	295.60	2025-03-25
7	13	13	13	185.90	2025-03-24
8	14	14	14	260.40	2025-03-25
9	16	2	16	185.70	2025-03-16
10	17	3	17	310.80	2025-03-19

Retrieve a list of all users and their corresponding courier records, including cases where there are no matches on either side

```
select u.UserID, c.SenderName, c.CourierID, c.SenderName, c.ReceiverName, c.Status
from Users u
join Courier c on u.Name = c.SenderName
group by UserID,c.SenderName, c.CourierID, c.SenderName, c.ReceiverName, c.Status
```

	UserID	SenderName	CourierID	SenderName	ReceiverName	Status
1	1	virat	1	virat	arun	delivered
2	2	dhoni	2	dhoni	geetha	pending
3	3	vijay	3	vijay	babu	transported
4	4	karthi	4	karthi	lakshmi	delivered
5	5	surya	5	surya	nandhini	shipped
6	6	meena	6	meena	venkat	delivered
7	7	anbu	7	anbu	ramesh	transported
8	8	selvi	8	selvi	deepak	shipped
9	9	dinesh	9	dinesh	arun	delivered
10	10	vetri	10	vetri	kavitha	pending
11	11	prakash	11	prakash	nandhini	delivered
12	12	revathi	12	revathi	arun	out for delivery
13	1	virat	13	virat	dinesh	delivered
14	8	selvi	14	selvi	babu	in transit
15	3	vijay	15	vijay	geetha	shipped
16	6	meena	16	meena	lakshmi	delivered

Retrieve a list of all couriers and their corresponding services, including cases where there are no matches on either side

```
select C.CourierID, C.SenderName, C.ReceiverName, C.Weight, C.Status,
C.TrackingNumber, C.DeliveryDate, CS.ServiceID, CS.ServiceName,
CS.Cost from Courier C
```

```
left join CourierServices CS on C.ServiceID = CS.ServiceID
```

```
union
```

```
select C.CourierID, C.SenderName, C.ReceiverName, C.Weight, C.Status, C.TrackingNumber,
C.DeliveryDate, CS.ServiceID, CS.ServiceName,
CS.Cost from Courier C
```

```
right join CourierServices CS on C.ServiceID = CS.ServiceID;
```

Results Messages										
	CourierID	SenderName	ReceiverName	Weight	Status	TrackingNumber	DeliveryDate	ServiceID	ServiceName	Cost
1	NULL	NULL	NULL	NULL	NULL	NULL	NULL	2	domestic standard	250.00
2	1	virat	arun	3.20	delivered	TRK001	2025-02-10	1	local	100.00
3	2	dhoni	geetha	2.80	pending	TRK002	2025-03-15	4	same-day delivery	500.00
4	3	vijay	babu	4.10	transported	TRK003	2025-03-18	9	fragile items	800.00
5	4	karthi	lakshmi	2.30	delivered	TRK004	2025-02-25	1	local	100.00
6	5	surya	nandhini	3.60	shipped	TRK005	2025-04-02	4	same-day delivery	500.00
7	6	meena	venkat	5.20	delivered	TRK006	2025-01-22	1	local	100.00
8	7	anbu	ramesh	1.90	transported	TRK007	2025-02-05	NULL	NULL	NULL
9	8	selvi	deepak	2.70	shipped	TRK008	2025-03-27	3	domestic express	400.00
10	9	dinesh	arun	4.30	delivered	TRK009	2025-02-14	3	domestic express	400.00
11	10	vetri	kavitha	2.50	pending	TRK010	2025-03-12	10	temperature-controlled	1800.00
12	11	prakash	nandhini	3.80	delivered	TRK011	2025-03-25	1	local	100.00
13	12	revathi	arun	4.20	out for delivery	TRK012	2025-03-25	1	local	100.00
14	13	virat	dinesh	2.80	delivered	TRK013	2025-03-24	9	fragile items	800.00
15	14	selvi	babu	2.20	in transit	TRK014	2025-03-25	7	international express	2500.00

Retrieve a list of all employees and their corresponding payments, including cases where there are no matches on either side

```
select e.EmployeeID, e.Name , p.PaymentID, p.Amount,
p.PaymentDate
from EmployeeTable e
left join Courier c on E.EmployeeID = c.EmployeeID
left join Payment p on C.CourierID = p.CourierID
union
select e.EmployeeID, e.Name , p.PaymentID, p.Amount,
p.PaymentDate
from EmployeeTable e
right join Courier c on e.EmployeeID = c.EmployeeID
right join Payment p on c.CourierID = p.CourierID;
```

Results		Messages				
	EmployeeID	Name	PaymentID	Amount	PaymentDate	
1	1	arun	1	250.50	2025-02-10	
2	1	arun	11	275.75	2025-03-25	
3	1	arun	15	255.30	2025-02-11	
4	2	balaji	2	180.75	2025-03-15	
5	2	balaji	12	295.60	2025-03-25	
6	2	balaji	16	185.70	2025-03-16	
7	3	chitra	NULL	NULL	NULL	
8	3	chitra	8	195.80	2025-03-27	
9	4	dinesh	3	300.25	2025-03-18	
10	4	dinesh	13	185.90	2025-03-24	
11	4	dinesh	17	310.80	2025-03-19	
12	5	eswar	NULL	NULL	NULL	
13	5	eswar	6	315.60	2025-01-22	
14	5	eswar	20	325.40	2025-01-23	
15	6	fathima	NULL	NULL	NULL	

List all users and all courier services, showing all possible combinations.

```
select u.UserID, u.Name as UserName, s.ServiceID ,s.ServiceName, s.Cost
from Users u
CROSS JOIN CourierServices s;
```

	UserID	UserName	ServiceID	ServiceName	Cost
1	1	virat	1	local	100.00
2	2	dhoni	1	local	100.00
3	3	vijay	1	local	100.00
4	4	karthi	1	local	100.00
5	5	surya	1	local	100.00
6	6	meena	1	local	100.00
7	7	anbu	1	local	100.00
8	8	selvi	1	local	100.00
9	9	dinesh	1	local	100.00
10	10	vetri	1	local	100.00
11	11	prakash	1	local	100.00
12	12	revathi	1	local	100.00
13	13	babu	1	local	100.00
14	14	geetha	1	local	100.00
15	15	lakshmi	1	local	100.00
16	16	nandhini	1	local	100.00

List all employees and all locations, showing all possible combinations:

```
select e.EmployeeID, e.Name, l.LocationID,
```

```
l.LocationName
```

```
from EmployeeTable e
```

```
CROSS JOIN Location l;
```

Results		Messages		
	EmployeeID	Name	LocationID	LocationName
1	1	arun	1	madurai hub
2	1	arun	2	trichy branch
3	1	arun	3	chennai main center
4	1	arun	4	coimbatore warehouse
5	1	arun	5	salem dispatch unit
6	1	arun	6	vellore sorting center
7	1	arun	7	cuddalore distribution
8	1	arun	8	erode parcel station
9	1	arun	9	thanjavur logistics
10	1	arun	10	kanchipuram transit
11	1	arun	11	madurai parcel station
12	1	arun	12	trichy express center
13	1	arun	13	salem fast dispatch
14	1	arun	14	thanjavur express depot
15	1	arun	15	madurai quick logistics
16	1	arun	16	coimbatore rapid transport

Retrieve a list of couriers and their corresponding sender information (if available)

```
select c.CourierID, c.SenderName, c.SenderAddress from Courier c;
```

Results		Messages	
	CourierID	SenderName	SenderAddress
1	1	virat	7 lion street, madurai
2	2	dhoni	17 king street, trichy
3	3	vijay	1 temple street, trichy
4	4	karthi	21 mg road, chennai
5	5	surya	5 anna nagar, coimbatore
6	6	meena	10 park avenue, salem
7	7	anbu	34 gandhi street, madurai
8	8	selvi	48 periyar nagar, chennai
9	9	dinesh	76 kamarajar road, erode
10	10	vetri	12 rajaji street, thanjavur
11	11	prakash	15 gandhi road,coimbatore
12	12	revathi	9 nehru nagar,madurai
13	13	virat	25 mg road, chennai
14	14	selvi	5 temple street, madurai
15	15	virat	22 anna street, coimbatore

Retrieve a list of couriers and their corresponding receiver information (if available):

```
select c.CourierID, c.TrackingNumber, c.Status, c.SenderName, c.SenderAddress,
case when c.SenderName is not null then 'Available'
else 'Not Available'
end as SenderInfoStatus
from Courier c
```

Results		Messages				
	CourierID	TrackingNumber	Status	SenderName	SenderAddress	SenderInfoStatus
1	1	TRK001	delivered	virat	7 lion street, madurai	Available
2	2	TRK002	pending	dhoni	17 king street, trichy	Available
3	3	TRK003	transported	vijay	1 temple street, trichy	Available
4	4	TRK004	delivered	karthi	21 mg road, chennai	Available
5	5	TRK005	shipped	surya	5 anna nagar, coimbatore	Available
6	6	TRK006	delivered	meena	10 park avenue, salem	Available
7	7	TRK007	transported	anbu	34 gandhi street, madurai	Available
8	8	TRK008	shipped	selvi	48 periyar nagar, chennai	Available
9	9	TRK009	delivered	dinesh	76 kamarajar road, erode	Available
10	10	TRK010	pending	vetri	12 rajaji street, thanjavur	Available
11	11	TRK011	delivered	prakash	15 gandhi road, coimbatore	Available
12	12	TRK012	out for delivery	revathi	9 nehru nagar, madurai	Available
13	13	TRK013	delivered	virat	25 mg road, chennai	Available
14	14	TRK014	in transit	selvi	5 temple street, madurai	Available
15	15	TRK015	shipped	virat	22 mg road, coimbatore	Available

Retrieve a list of couriers along with the courier service details (if available):

```
select c.CourierID, c.TrackingNumber, c.Status, c.SenderName, c.ReceiverName,
c.Weight, cs.ServiceID, cs.ServiceName, cs.Cost
from Courier C
left join CourierServices cs on c.ServiceID = cs.ServiceID;
```

	CourierID	TrackingNumber	Status	SenderName	ReceiverName	Weight	ServiceID	ServiceName
1	1	TRK001	delivered	virat	arun	3.20	1	local
2	2	TRK002	pending	dhoni	geetha	2.80	4	same-day
3	3	TRK003	transported	vijay	babu	4.10	9	fragile item
4	4	TRK004	delivered	karthi	lakshmi	2.30	1	local
5	5	TRK005	shipped	surya	nandhini	3.60	4	same-day
6	6	TRK006	delivered	meena	venkat	5.20	1	local
7	7	TRK007	transported	anbu	ramesh	1.90	NULL	NULL
8	8	TRK008	shipped	selvi	deepak	2.70	3	domestic
9	9	TRK009	delivered	dinesh	arun	4.30	3	domestic
10	10	TRK010	pending	vetri	kavitha	2.50	10	temperature sensitive
11	11	TRK011	delivered	prakash	nandhini	3.80	1	local
12	12	TRK012	out for delivery	revathi	arun	4.20	1	local

Retrieve a list of employees and the number of couriers assigned to each employee:

```
select e.EmployeeID, e.Name, count(c.CourierID) as TotalCourier
from EmployeeTable e
join Courier c on e.EmployeeID = c.EmployeeID
group by e.EmployeeID, e.Name
order by TotalCourier desc;
```


Results Messages			
	EmployeeID	Name	TotalCourier
1	1	arun	2
2	2	balaji	2
3	3	chitra	2
4	4	dinesh	2
5	5	eswar	2
6	6	fathima	2
7	7	ganesh	2
8	8	hema	2
9	9	ilango	2
10	10	...	2

Retrieve a list of locations and the total payment amount received at each location:

```
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
order by TotalPayment ;
```

Results Messages			
	LocationID	LocationName	TotalPayment
1	7	cuddalore distribution	150.30
2	2	trichy branch	180.75
3	16	coimbatore rapid transport	185.70
4	13	salem fast dispatch	185.90
5	8	erode parcel station	195.80
6	10	kanchipuram transit	210.25
7	4	coimbatore warehouse	220.40
8	18	madurai fast shipment	225.50
9	1	madurai hub	250.50
10	15	madurai quick logistics	255.30
11	14	thanajvur express depot	260.40
12	19	dindigul regional hub	270.90
13	11	madurai parcel station	275.75
14	5	salem dispatch unit	275.90
15	12	trichy express center	295.60

Retrieve all couriers sent by the same sender (based on SenderName).

```
select  SenderName, CourierID, TrackingNumber, ReceiverName,
ReceiverAddress, Status, DeliveryDate
from Courier
order by SenderName, DeliveryDate ;
```

Results Messages						
	SenderName	CourierID	TrackingNumber	ReceiverName	ReceiverAddress	Status
1	anbu	7	TRK007	ramesh	23 rajaji street, thanjavur	transported
2	anbu	18	TRK018	prakash	10 anna nagar, coimbatore	pending
3	dhoni	2	TRK002	geetha	15 rajaji street, madurai	pending
4	dinesh	9	TRK009	arun	18 lake road, coimbatore	delivered
5	karthi	4	TRK004	lakshmi	5 temple street, thanjavur	delivered
6	karthi	17	TRK017	ramesh	45 gandhi street, dindigul	transported
7	meena	6	TRK006	venkat	11 anna nagar, erode	delivered
8	meena	16	TRK016	lakshmi	5 kamarajar street, thanjavur	delivered
9	prakash	11	TRK011	nandhini	22 lake view street, chennai	delivered
10	revathi	12	TRK012	arun	30 anna salai, trichy	out for delivery
11	revathi	20	TRK020	vetri	5 gandhi nagar, trichy	delivered
12	selvi	14	TRK014	babu	21 gandhi nagar, chennai	in transit
13	selvi	8	TRK008	deepak	55 market street, madurai	shipped

List all employees who share the same role.

select EmployeeID, Name, Role from EmployeeTable

where Role IN (select Role from EmployeeTable group by Role having count(*) > 1)

order by Role, Name;

Results Messages			
	EmployeeID	Name	Role
1	2	balaji	courier handler
2	7	ganesh	courier handler
3	11	johnson	courier handler
4	3	chitra	customer support
5	6	fathima	customer support
6	1	arun	delivery executive
7	4	dinesh	delivery executive
8	9	ilanqo	delivery executive

List employees and the number of couriers they have delivered:

select EmployeeID, count(*) as NumberOfCouriersDelivered

from Courier where Status = 'Delivered'

group by EmployeeID;

	EmployeeID	NumberOfCouriersDelivered
1	1	2
2	4	1
3	5	2
4	6	1
5	7	1
6	8	1

Find couriers that were paid an amount greater than the cost of their respective courier services

```
select c.CourierID, c.TrackingNumber, p.Amount ,  
cs.Cost as ServiceCost from Payment p  
join Courier c on p.CourierID = c.CourierID  
join CourierServices cs on c.ServiceID = cs.ServiceID  
where p.Amount > cs.Cost
```

Results		Messages		
	CourierID	TrackingNumber	Amount	ServiceCost
1	1	TRK001	250.50	100.00
2	4	TRK004	220.40	100.00
3	6	TRK006	315.60	100.00
4	11	TRK011	275.75	100.00
5	12	TRK012	295.60	100.00
6	1	TRK001	255.30	100.00
7	4	TRK004	225.50	100.00
8	6	TRK006	325.40	100.00