

# COURIER MANAGEMNT SYSTEM

## Task 3

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

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

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

**Calculate the total revenue generated by each location**

```
select l.LocationName , sum(Amount) as TotalRevenue from payment p
join Location l on p.LocationID = l.LocationID
group by l.LocationName
```

	LocationName	TotalRevenue
1	chennai express facility	310.80
2	chennai main center	300.25
3	coimbatore rapid transport	185.70
4	coimbatore warehouse	220.40
5	cuddalore distribution	150.30
6	dindigul regional hub	270.90
7	erode parcel station	195.80
8	kanchipuram transit	210.25
9	madurai fast shipment	225.50
10	madurai hub	250.50
11	madurai parcel station	275.75
12	madurai quick logistics	255.30
13	salem dispatch unit	275.90
14	salem fast dispatch	185.90
15	thanajvur express depot	260.40
16	thanjavur logistics	320.50

**Find the total number of couriers delivered to each location.**

```
select l.LocationName , count(c.CourierID) from Location l
```

```
join Payment p on l.LocationID=p.LocationID
```

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

```
group by l.LocationName
```

	LocationName	(No column name)
1	chennai express facility	1
2	chennai main center	1
3	coimbatore rapid transport	1
4	coimbatore warehouse	1
5	cuddalore distribution	1
6	dindigul regional hub	1
7	erode parcel station	1
8	kanchipuram transit	1
9	madurai fast shipment	1
10	madurai hub	1
11	madurai parcel station	1
12	madurai quick logistics	1
13	salem dispatch unit	1
14	salem fast dispatch	1
15	thanajvur express depot	1
16	thanjavur logistics	1

**Find the courier with the highest average delivery time:**

```
select top 1 CourierID, avg(DeliveryTime) as AvgDeliveryTime
```

```
from Courier
```

```
group by CourierID
```

```
order by AvgDeliveryTime desc
```

Results		Messages
	CourierID	AvgDeliveryTime
1	1	120

**Find Locations with Total Payments Less Than a Certain Amount**

```
select LocationName, sum(Amount) as TotalPayment
```

```
from Payment p join Location l on p.LocationID=l.LocationID
```

```
group by LocationName
```

```
having sum(Amount) < 200;
```

Results Messages		
	LocationName	TotalPayment
1	coimbatore rapid transport	185.70
2	cuddalore distribution	150.30
3	erode parcel station	195.80
4	salem fast dispatch	185.90
5	trichy branch	180.75

### Calculate Total Payments per Location

```
select LocationName, sum(Amount) as TotalPayment
from Payment p join Location l on p.LocationID=l.LocationID
group by LocationName
```

Results Messages		
	LocationName	TotalPayment
1	chennai express facility	310.80
2	chennai main center	300.25
3	coimbatore rapid transport	185.70
4	coimbatore warehouse	220.40
5	cuddalore distribution	150.30
6	dindigul regional hub	270.90
7	erode parcel station	195.80
8	kanchipuram transit	210.25
9	madurai fast shipment	225.50
10	madurai hub	250.50
11	madurai parcel station	275.75
12	madurai quick logistics	255.30
13	salem dispatch unit	275.90
14	salem fast dispatch	185.90
15	thanajvur express depot	260.40
16	thanjavur logistics	320.50

### Retrieve couriers who have received payments totaling more than \$1000 in a specific location (LocationID = X):

```
select c.CourierID, c.SenderName, c.ReceiverName, sum(p.Amount) AS
TotalPayments from Courier c
join Payment p on c.CourierID = p.CourierID
where p.LocationID = 9
group by c.CourierID, c.SenderName, c.ReceiverName
having sum(p.Amount) > 100
order by TotalPayments ;
```

Results		Messages		
	CourierID	SenderName	ReceiverName	TotalPayments
1	9	dinesh	arun	320.50

**Retrieve couriers who have received payments totaling more than \$100 after a certain date (PaymentDate > 'YYYY-MM-DD'):**

```
select c.CourierID, c.SenderName, c.ReceiverName, sum(p.Amount) AS
```

```
TotalPayments from Courier c
```

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

```
where p.PaymentDate > '2025-02-14'
```

```
group by c.CourierID, c.SenderName, c.ReceiverName
```

```
having sum(p.Amount) > 100
```

```
order by TotalPayments DESC;
```

Results		Messages		
	CourierID	SenderName	ReceiverName	TotalPayments
1	3	vijay	babu	611.05
2	5	surya	nandhini	546.80
3	4	karthi	lakshmi	445.90
4	2	dhoni	geetha	366.45
5	12	revathi	arun	295.60
6	11	prakash	nandhini	275.75
7	14	selvi	babu	260.40
8	10	vetri	kavitha	210.25
9	8	selvi	deepak	195.80
10	13	virat	dinesh	185.90

**Retrieve locations where the total amount received is more than \$5000 before a certain date (PaymentDate > 'YYYY-MM-DD')**

```
select p.LocationID, sum(p.Amount) as TotalAmtReceived
```

```
from Payment p
```

```
where p.PaymentDate < '2025-03-12'
```

```
group by p.LocationID
```

```
having sum(p.Amount) > 300
```

```
order by TotalAmtReceived ;
```

	LocationID	TotalAmtReceived
1	3	300.25
2	6	315.60
3	9	320.50
4	20	325.40