WITH cte AS (

SELECT o.ExternOrderNo,

i.AWB\_Code,

i.Charged\_Weight,

SUM((s.Weight\_g \* o.Order\_Qty) / 1000) AS WEIGHT,

p.Zone AS zone\_x,

i.Zone AS zone\_transport

FROM dbo.Order\_Report\_x o

INNER JOIN dbo.Company\_Invoice\_c i ON o.ExternOrderNo = i.Order\_ID

INNER JOIN SKU\_Master\_x s ON s.SKU = o.SKU

INNER JOIN dbo.Pincode\_Zones\_x p ON p.Customer\_Pincode = i.Customer\_Pincode

GROUP BY o.ExternOrderNo, i.AWB\_Code, i.Charged\_Weight, p.Zone, i.Zone

),

ste AS (

SELECT ExternOrderNo,

AWB\_Code,

WEIGHT,

(CASE

WHEN WEIGHT > 0 AND WEIGHT <= 0.5 THEN 0.5

WHEN WEIGHT > 0.5 AND WEIGHT <= 1 THEN 1

WHEN WEIGHT > 1 AND WEIGHT <= 1.5 THEN 1.5

WHEN WEIGHT > 1.5 AND WEIGHT <= 2 THEN 2

WHEN WEIGHT > 2 AND WEIGHT <= 2.5 THEN 2.5

WHEN WEIGHT > 2.5 THEN 3

END) AS Slab\_x,

Charged\_Weight,

(CASE

WHEN Charged\_Weight > 0 AND Charged\_Weight <= 0.5 THEN 0.5

WHEN Charged\_Weight > 0.5 AND Charged\_Weight <= 1 THEN 1

WHEN Charged\_Weight > 1 AND Charged\_Weight <= 1.5 THEN 1.5

WHEN Charged\_Weight > 1.5 AND Charged\_Weight <= 2 THEN 2

WHEN Charged\_Weight > 2 AND Charged\_Weight <= 2.5 THEN 2.5

WHEN Charged\_Weight > 2.5 THEN 3

END) AS Courier,

zone\_x,

zone\_transport

FROM cte

),

hte AS (

SELECT s.\*,

(s.Slab\_x / 0.5) AS ref,

i.Billing\_Amount\_Rs,

i.Type\_of\_Shipment

FROM ste s

INNER JOIN dbo.Company\_Invoice\_c i ON i.AWB\_Code = s.AWB\_Code

),

pte AS (

SELECT ExternOrderNo,

AWB\_Code,

WEIGHT,

Slab\_x,

Charged\_Weight,

Courier,

zone\_x,

zone\_transport,

ref,

Billing\_Amount\_Rs,

Type\_of\_Shipment,

(CASE

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'a' AND Slab\_x > 0.5 THEN 'fwd\_a\_additional'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'a' AND Slab\_x <= 0.5 THEN 'fwd\_a\_fixed'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'b' AND Slab\_x > 0.5 THEN 'fwd\_b\_additional'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'b' AND Slab\_x <= 0.5 THEN 'fwd\_b\_fixed'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'c' AND Slab\_x > 0.5 THEN 'fwd\_c\_additional'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'c' AND Slab\_x <= 0.5 THEN 'fwd\_c\_fixed'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'd' AND Slab\_x > 0.5 THEN 'fwd\_d\_additional'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'd' AND Slab\_x <= 0.5 THEN 'fwd\_d\_fixed'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'e' AND Slab\_x > 0.5 THEN 'fwd\_e\_additional'

WHEN Type\_of\_Shipment = 'Forward charges' AND zone\_x = 'e' AND Slab\_x <= 0.5 THEN 'fwd\_e\_fixed'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'a' AND Slab\_x > 0.5 THEN 'rto\_a\_additional'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'a' AND Slab\_x <= 0.5 THEN 'rto\_a\_fixed'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'b' AND Slab\_x > 0.5 THEN 'rto\_b\_additional'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'b' AND Slab\_x <= 0.5 THEN 'rto\_b\_fixed'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'c' AND Slab\_x > 0.5 THEN 'rto\_c\_additional'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'c' AND Slab\_x <= 0.5 THEN 'rto\_c\_fixed'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'd' AND Slab\_x > 0.5 THEN 'rto\_d\_additional'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'd' AND Slab\_x <= 0.5 THEN 'rto\_d\_fixed'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'e' AND Slab\_x > 0.5 THEN 'rto\_e\_additional'

WHEN Type\_of\_Shipment = 'Forward and RTO charges' AND zone\_x = 'e' AND Slab\_x <= 0.5 THEN 'rto\_e\_fixed'

END) AS category

FROM hte

),

mte AS (

SELECT p.\*,

r.Price,

CASE

WHEN p.Type\_of\_Shipment = 'Forward charges' AND p.zone\_x = 'a' THEN 'fwd\_a\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward charges' AND p.zone\_x = 'b' THEN 'fwd\_b\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward charges' AND p.zone\_x = 'c' THEN 'fwd\_c\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward charges' AND p.zone\_x = 'd' THEN 'fwd\_d\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward charges' AND p.zone\_x = 'e' THEN 'fwd\_e\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward and RTO charges' AND p.zone\_x = 'a' THEN 'rto\_a\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward and RTO charges' AND p.zone\_x = 'b' THEN 'rto\_b\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward and RTO charges' AND p.zone\_x = 'c' THEN 'rto\_c\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward and RTO charges' AND p.zone\_x = 'd' THEN 'rto\_d\_fixed'

WHEN p.Type\_of\_Shipment = 'Forward and RTO charges' AND p.zone\_x = 'e' THEN 'rto\_e\_fixed'

END AS fixed

FROM pte p

INNER JOIN dbo.Courier\_Company\_Rates r ON p.category = r.Shipment\_Category

),

ate AS (

SELECT m.\*,

ROUND((CASE WHEN m.Slab\_x > 0.5 THEN (ref - 1) ELSE 0 END), 0) AS che,

r.price AS fixed\_price

FROM mte m

INNER JOIN dbo.Courier\_Company\_Rates r ON m.fixed = r.Shipment\_Category

),

bte AS (

SELECT \*,

CASE WHEN che = 1 THEN fixed\_price ELSE fixed\_price + (Price \* che) END AS expected\_x

FROM ate

),

dte AS (

SELECT ExternOrderNo AS Order\_ID,

AWB\_CODE,

WEIGHT AS Total\_Weight\_As\_x,

Slab\_x AS weight\_slab\_x,

charged\_weight AS charged\_weight\_as\_courier,

courier AS Weight\_slab\_as\_courier,

zone\_x AS Delivery\_zone\_x,

zone\_transport AS Delivery\_zone\_courier,

expected\_x AS expected\_charge\_by\_x,

Billing\_Amount\_Rs AS Billed\_by\_courier\_company,

expected\_x - Billing\_Amount\_Rs AS DIFFERENCE

FROM bte

)

SELECT 'Total orders where X has been correctly charged' AS Description,

COUNT(\*),

ROUND(SUM(expected\_charge\_by\_x), 0)

FROM dte

WHERE DIFFERENCE = 0

UNION

SELECT 'Total Orders where X has been overcharged' AS Description,

COUNT(\*),

ROUND(SUM(DIFFERENCE), 0)

FROM dte

WHERE DIFFERENCE < 0

UNION

SELECT 'Total Orders where X has been undercharged' AS Description,

COUNT(\*),

ROUND(SUM(DIFFERENCE), 0)

FROM dte

WHERE DIFFERENCE > 0;