Задание №1

1-й способ:

WITH Fillers AS

(

SELECT \* FROM Rates

UNION ALL

SELECT DATEADD(DAY,1,Report\_date), Ccy\_code, CCy\_rate

FROM Fillers e

WHERE NOT EXISTS (select \* from Rates e2 WHERE e2.Report\_date = DATEADD(DAY,1,e.Report\_date)) AND

EXISTS (SELECT \* FROM Rates e3 WHERE e3.Report\_date > e.Report\_date)

);

SELECT t.Client\_id, t.Report\_date, t.Txn\_amount \* f.CCy\_rate AS usd\_amount

FROM Transactions t

INNER JOIN Fillers f oON t.Report\_date = f.Report\_date

WHERE f.Ccy\_code = 840;

2-й способ:

SELECT Client\_id, Report\_date, sum\_usd

FROM

(

SELECT

Client\_id,

t.Report\_date,

t.Txn\_amount\*r.Ccy\_rate AS usd\_amount,

ROW\_NUMBER() OVER (PARTITION BY t.Report\_date ORDER BY r.Report\_date DESC) AS ROW\_NUM

FROM Transactions t

JOIN Rates r

ON r.Report\_date <= t.Report\_date

WHERE Ccy\_code = 840

) AS Trans

WHERE ROW\_NUM = 1

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Задание №2

WITH X AS

(

SELECT

Client\_id,

strftime('%Y-%m', date(Report\_date)) as yeamon\_d,

Txn\_type,

VSP\_Number as vsp\_d,

sum(Txn\_amount) as debit\_amount\_M

FROM VSP\_oper\_data as vsp\_d

WHERE Txn\_type = 'debit'

GROUP BY (Client\_id || "-" || yeamon\_d)

),

I AS

(

SELECT

Client\_id,

strftime('%Y-%m', date(Report\_date)) as yeamon\_cr,

Txn\_type,

VSP\_Number as vsp\_cr,

sum(Txn\_amount) as credit\_amount\_M

FROM VSP\_oper\_data

WHERE Txn\_type = 'credit'

GROUP BY (Client\_id || "-" || yeamon\_cr)

),

XI AS

(

SELECT

I.Client\_id,

I.yeamon\_cr as yeamon,

I.Txn\_type,

I.credit\_amount\_M,

X.debit\_amount\_M,

I.vsp\_cr as vsp

FROM I LEFT JOIN X ON I.Client\_id = X.Client\_id AND I.yeamon\_cr = X.yeamon\_d

UNION

SELECT

X.Client\_id,

X.yeamon\_d as yeamon,

X.Txn\_type,

I.credit\_amount\_M,

X.debit\_amount\_M,

X.vsp\_d as vsp

FROM X LEFT JOIN I ON I.Client\_id = X.Client\_id AND I.yeamon\_cr = X.yeamon\_d

)

SELECT

Client\_id,

yeamon,

credit\_amount\_M,

debit\_amount\_M,

vsp

FROM XI;