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WITH CountClient AS(
SELECT b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS,
COUNT( DISTINCT c.CLIENTID) COUNT_CLIENT
FROM INTERN_TEAM2.BRANCH b
JOIN INTERN_TEAM2.DEAL d
ON b.BRANCHID = d.BRANCH_BRANCHID
JOIN INTERN_TEAM2.ACCOUNTDEAL ad
ON d.DEALID = ad.DEAL_DEAL_ID
JOIN INTERN_TEAM2.ACCOUNT a
ON a.ACCOUNTID = ad.ACCOUNT_ACCOUNTID
JOIN INTERN_TEAM2.CLIENT c
ON c.CLIENTID = a.CLIENT_CLIENTID
GROUP BY
b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS
),
CountActiveDeal AS(
SELECT b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS,
COUNT(d.DEALID) COUNT_ACTIVE_DEAL
FROM INTERN_TEAM2.BRANCH b
JOIN INTERN_TEAM2.DEAL d
ON b.BRANCHID = d.BRANCH_BRANCHID
WHERE d.enddate >= SYSDATE
GROUP BY
b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS
),
TotalAmountOfActiveLoans as(
SELECT b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS,
SUM(d.DEALAMOUNT) SUM_ACTIVE_LOAN
FROM INTERN_TEAM2.BRANCH b
JOIN INTERN_TEAM2.DEAL d
ON b.BRANCHID = d.BRANCH_BRANCHID
WHERE d.enddate >= SYSDATE AND d.DEALTYPE = 'Кредитные операции'
GROUP BY
b.BRANCHID,
b.BRANCH_NAME,
b.BRANCH_ADDRESS
),
CountCompletedDeals AS (
SELECT
b.BRANCHID,
COUNT(d.DEALID) AS Count_Completed_Deals
FROM
INTERN_TEAM2.BRANCH b
JOIN INTERN_TEAM2.DEAL d
ON b.BRANCHID = d.BRANCH_BRANCHID
WHERE
d.enddate < SYSDATE
GROUP BY
b.BRANCHID
),
SumCompletedDeals AS (
SELECT
b.BRANCHID,
SUM(d.DEALAMOUNT) AS Sum_Completed_Deals
FROM
INTERN_TEAM2.BRANCH b
JOIN
INTERN_TEAM2.DEAL d ON
b.BRANCHID = d.BRANCH_BRANCHID
WHERE
d.enddate < SYSDATE AND d.DEALTYPE = 'Кредитные операции'
GROUP BY
b.BRANCHID
),
teast1 AS(SELECT DEAL_DEALID, SUM(p.PRINCIPALPAYMENT) SUM_PRINCIPAL_PAYMENT, SUM(p.INTERESTPAYMENT) SUM_INTEREST_PAYMENT
FROM PAYMENTSCHEDULE p
GROUP BY p.DEAL_DEALID),
test2 AS(SELECT d.DEALID, ab.ACCOUNT_ACCOUNTID, ab.BALANCEAMOUNT, ab.BALANCEDATE, a.ACCOUNTTYPE
FROM DEAL d
JOIN ACCOUNTDEAL ad
ON d.DEALID = ad.DEAL_DEAL_ID
JOIN ACCOUNT a
ON ad.ACCOUNT_ACCOUNTID = a.ACCOUNTID
JOIN ACCOUNTBALANCE ab
ON a.ACCOUNTID = ab.ACCOUNT_ACCOUNTID
WHERE a.ACCOUNTTYPE = 'Счёт основного долга' OR a.ACCOUNTTYPE = 'Счёт процентов'),
PrincipalPaymentMade AS (SELECT
t1.DEAL_DEALID,
t2.ACCOUNT_ACCOUNTID,
t2.BALANCEDATE,
CASE
-- Для первой строки: TOTAL_SUM_PRINCIPAL_PAYMENT - BALANCEAMOUNT
WHEN ROW_NUMBER() OVER (PARTITION BY DEAL_DEALID ORDER BY BALANCEDATE) = 1 THEN
t1.SUM_PRINCIPAL_PAYMENT - t2.BALANCEAMOUNT
-- Для остальных строк: разница между предыдущим и текущим BALANCEAMOUNT
ELSE LAG(t2.BALANCEAMOUNT) OVER (PARTITION BY t1.DEAL_DEALID ORDER BY t2.ACCOUNT_ACCOUNTID, t2.BALANCEDATE) - t2.BALANCEAMOUNT
END AS PRINCIPAL_PAYMENT_MADE
FROM
teast1 t1
JOIN test2 t2
ON
t1.DEAL_DEALID = t2.DEALID
WHERE t2.ACCOUNTTYPE = 'Счёт основного долга'),
InterestPaymentMade AS (SELECT
t1.DEAL_DEALID,
t2.ACCOUNT_ACCOUNTID,
t2.BALANCEDATE,
CASE
-- Для первой строки: TOTAL_SUM_INTEREST_PAYMENT - BALANCEAMOUNT
WHEN ROW_NUMBER() OVER (PARTITION BY DEAL_DEALID ORDER BY BALANCEDATE) = 1 THEN

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        t1.SUM_INTEREST_PAYMENT - t2.BALANCEAMOUNT
        -- Для остальных строк: разница между предыдущим и текущим BALANCEAMOUNT
        ELSE LAG(t2.BALANCEAMOUNT) OVER (PARTITION BY t1.DEAL_DEALID ORDER BY t2.ACCOUNT_ACCOUNTID, t2.BALANCEDATE) - t2.BALANCEAMOUNT
    END AS INTEREST_PAYMENT_MADE
FROM
    teast1 t1
JOIN test2 t2
ON
    t1.DEAL_DEALID = t2.DEALID
WHERE t2.ACCOUNTTYPE = 'Счёт процентов'),
WITH_TOTAL_PAYMENT_LOAN AS (SELECT
    p.DEAL_DEALID,
    p.ACCOUNT_ACCOUNTID AS PRINCIPAL_ACCOUNT,
    i.ACCOUNT_ACCOUNTID AS INTEREST_ACCOUNT,
    p.BALANCEDATE,
    p.PRINCIPAL_PAYMENT_MADE,
    i.INTEREST_PAYMENT_MADE
FROM
    PrincipalPaymentMade p
JOIN
    InterestPaymentMade i
ON
    p.DEAL_DEALID = i.DEAL_DEALID
    AND p.BALANCEDATE = i.BALANCEDATE
    ORDER BY p.DEAL_DEALID, PRINCIPAL_ACCOUNT, p.BALANCEDATE),
PSchedule AS (
SELECT
    p.DEAL_DEALID,
    p.DUEDATE,
    p.PRINCIPALPAYMENT,
    p.INTERESTPAYMENT
FROM
    PAYMENTSCHEDULE p),
comparisonpayments AS(SELECT
    b.BRANCHID,
    ps.DEAL_DEALID,
    ps.DUEDATE,
    ps.PRINCIPALPAYMENT,
    ps.INTERESTPAYMENT,
    COALESCE(wtp.PRINCIPAL_PAYMENT_MADE,0) PRINCIPAL_PAYMENT_MADE,
    COALESCE(wtp.INTEREST_PAYMENT_MADE,0) INTEREST_PAYMENT_MADE,
    CASE
        WHEN (ps.PRINCIPALPAYMENT = wtp.PRINCIPAL_PAYMENT_MADE AND ps.INTERESTPAYMENT = wtp.INTEREST_PAYMENT_MADE AND ps.DUEDATE <= SYSDATE)
        OR (ps.DUEDATE > SYSDATE)
        THEN 1
        ELSE 0
    END AS comparison
FROM
    PSchedule PS
LEFT JOIN WITH_TOTAL_PAYMENT_LOAN WTP
ON
    ps.DEAL_DEALID = wtp.DEAL_DEALID
    AND ps.DUEDATE = wtp.BALANCEDATE
JOIN DEAL D
ON d.DEALID = ps.DEAL_DEALID
JOIN Branch B
ON b.BRANCHID = d.BRANCH_BRANCHID
ORDER BY
    ps.DEAL_DEALID, ps.DUEDATE),
CountOverduePayments AS(SELECT CP.BRANCHID, COUNT(CP.comparison) Count_Overdue_payments
FROM comparisonpayments cp
WHERE CP.comparison = 0
GROUP BY CP.BRANCHID),
SumOverduePayments AS(SELECT CP.BRANCHID, SUM(cp.PRINCIPALPAYMENT + cp.INTERESTPAYMENT) sum_overdue_payments
FROM comparisonpayments cp
WHERE CP.comparison = 0
GROUP BY CP.BRANCHID),
InterestIncome as(SELECT CP.BRANCHID, SUM(cp.INTERESTPAYMENT) sum_interest_payments
FROM comparisonpayments cp
WHERE CP.comparison = 1 AND (cp.PRINCIPALPAYMENT = cp.PRINCIPAL_PAYMENT_MADE AND cp.INTERESTPAYMENT = cp.INTEREST_PAYMENT_MADE AND cp.DUEDATE <= SYSDATE)
GROUP BY CP.BRANCHID
),
CountOverdueLoans AS (SELECT CP.BRANCHID, COUNT(DISTINCT CP.DEAL_DEALID) Count_Overdue_Loans
FROM comparisonpayments cp
WHERE CP.comparison = 0
GROUP BY CP.BRANCHID, cp.DEAL_DEALID)
SELECT
    cc.BRANCHID AS "Идентификатор филиала",
    cc.BRANCH_NAME AS "Наименование филиала",
    cc.BRANCH_ADDRESS AS "Адрес филиала",
    cc.COUNT_CLIENT AS "Количество клиентов",
    coalesce(cd.Count_Completed_Deals, 0) AS "Количество завершенных сделок всех типов",
    coalesce(sd.Sum_Completed_Deals, 0) AS "Сумма завершенных сделок типа кредитные операции",
    COALESCE(cad.COUNT_ACTIVE_DEAL, 0) AS "Количество активных сделок всех типов",
    COALESCE(tal.SUM_ACTIVE_LOAN, 0) AS "Общий объем активных сделок типа кредитные операции",
    coalesce(col.Count_Overdue_Loans, 0) AS "Кол-во просроченных сделок типа кредитные операции",
    COALESCE(cop.Count_Overdue_payments, 0) AS "Кол-во просроченных платежей по сделкам типа кредитные операции",
    COALESCE(sop.sum_overdue_payments, 0) AS "Сумма просроченных сделок типа кредитные операции",
    COALESCE(ii.sum_interest_payments, 0) AS "Доход от процентов по сделкам типа кредитные операции",
    SYSDATE AS "Дата формирования отчета"
FROM
    CountClient cc
LEFT JOIN
    CountActiveDeal cad ON cc.BRANCHID = cad.BRANCHID
LEFT JOIN
    TotalAmountOfActiveLoans tal ON cc.BRANCHID = tal.BRANCHID
LEFT JOIN
    CountOverdueLoans col ON cc.BRANCHID = col.BRANCHID
LEFT JOIN
    CountOverduePayments cop ON cc.BRANCHID = cop.BRANCHID
LEFT JOIN
    SumOverduePayments sop ON cc.BRANCHID = sop.BRANCHID
LEFT JOIN
    CountCompletedDeals cd ON cc.BRANCHID = cd.BRANCHID
LEFT JOIN
    SumCompletedDeals sd ON cc.BRANCHID = sd.BRANCHID
LEFT JOIN
    InterestIncome ii ON cc.BRANCHID = ii.BRANCHID
ORDER BY
    cc.BRANCH_NAME

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Идентификатор филиала	Наименование филиала	Адрес филиала	Количество клиентов	Количество завершенных сделок всех типов	Сумма завершенных сделок типа кредитные операции	Количество активных сделок всех типов	Общий объем активных сделок типа кредитные операции	Кол-во просроченных сделок типа кредитные операции	Кол-во просроченных платежей по сделкам типа кредитные операции	Сумма просроченных сделок типа кредитные операции	Доход от процентов по сделкам типа кредитные операции	Дата формирования отчета
1	Главный	г. Москва, ул. Тверская, д. 1	1	1	200 000	0	0	0	0	0	22 548,74	02.10.2
2	Филиал 1	г. Санкт-Петербург, ул. Невский, д. 10	1	0	0	1	0	0	0	0	0	02.10.2
3	Филиал 2	г. Алматы, ул. Абая, д. 25	1	1	0	0	0	0	0	0	0	02.10.2
4	Филиал 3	г. Ереван, ул. Сарьяна, д. 15	1	1	250 000	0	0	0	0	0	40 488,98	02.10.2
5	Филиал 4	г. Минск, ул. Независимости, д. 30	1	1	0	0	0	0	0	0	0	02.10.2
6	Филиал 5	г. Бишкек, ул. Манаса, д. 20	1	0	0	1	0	0	0	0	0	02.10.2
7	Филиал 6	г. Ташкент, ул. Амир Темура, д. 5	1	0	0	1	300 000	1	21	201 807,48	0	02.10.2
8	Филиал 7	г. Нур-Султан, ул. Казахстан, д. 40	1	0	0	1	0	0	0	0	0	02.10.2
9	Филиал 8	г. Баку, ул. Физули, д. 18	1	1	0	0	0	0	0	0	0	02.10.2
10	Филиал 9	г. Кишинев, ул. Пушкина, д. 12	1	0	0	1	350 000	1	28	333 525,63	0	02.10.2