--Structure of the Result table

CREATE TABLE ##RESULTTABLE

(

PANUM VARCHAR(25)

,SANUM VARCHAR(25)

,INSTALLMENTDATE DATETIME

,RECEIPTDATE DATETIME

,RECEIPTAMOUNT NUMERIC(12,4)

,INSTALLMENTNO INT

)

--Declaration of the variables

DECLARE @ROWINDEX INT

DECLARE @MAXROWINDEX INT

DECLARE @SUBROWINDEX INT

DECLARE @SUBMAXROWINDEX INT

DECLARE @PANUM VARCHAR(25)

DECLARE @SANUM VARCHAR(25)

DECLARE @INSTALLMENTNO INT

DECLARE @INSTALLMENTAMOUNT NUMERIC(12,4)

DECLARE @INSTALLMENTDATE DATETIME

DECLARE @RECEIPTNO INT

DECLARE @RECEIPTAMOUNT NUMERIC(12,4)

DECLARE @RECEIPTDATE DATETIME

DECLARE @REMAININGAMOUNT NUMERIC(12,4)

--Selecting the details like AccountID,PANUM and SANUM from the Account Repay Structure into the temp table ##ACCOUNTTABLE

SELECT ROW\_NUMBER() OVER (ORDER BY PANUM) AS 'ACCOUNTID', PANUM,SANUM

INTO ##ACCOUNTTABLE

FROM DBO.S3G\_LOANAD\_ACCOUNTREPAYSTRUCTURE WHERE InstallmentDate BETWEEN '05/01/2011' AND '06/30/2011'

GROUP BY PANUM,SANUM

SELECT @MAXROWINDEX = MAX(ACCOUNTID) FROM ##ACCOUNTTABLE

PRINT @MAXROWINDEX

set @ROWINDEX = 1

--Looping through the ##ACCOUNTTABLE

WHILE @ROWINDEX <= @MAXROWINDEX

BEGIN

--Selecting the PANUM,SANUM from the ##ACCOUNTTABLE based on the AccountID which is going to be the RowIndex

SELECT @PANUM = PANUM,@SANUM= SANUM FROM ##ACCOUNTTABLE WHERE ACCOUNTID = @ROWINDEX

PRINT @PANUM

PRINT @SANUM

--Generating the temp table for the repay structure

SELECT PANUM

,SANUM

,[INSTALLMENT NO] AS INSTALLMENTNO

,INSTALLMENTDATE

,INSTALLMENTAMOUNT

INTO ##INSTALLMENTDETAILS

FROM DBO.S3G\_LOANAD\_ACCOUNTREPAYSTRUCTURE

WHERE PANUM =@PANUM AND SANUM =@SANUM;

--Generating the temp table for the repay structure and the Receipt

WITH CTE\_CollectedAmount

AS

(

Select PANum,SANum,Value\_Date,

CASE WHEN Document\_Type='REC' AND Transaction\_Code=1 THEN Transaction\_Amount END AS RECCR1

,CASE WHEN Document\_Type='REC' AND Transaction\_Code=0 THEN Transaction\_Amount END AS RECR0

,CASE WHEN Document\_Type='CHR' AND Transaction\_Code=1 THEN Transaction\_Amount END AS CHRCR1

,CASE WHEN Document\_Type='CHR' AND Transaction\_Code=0 THEN Transaction\_Amount END AS CHRCR0

,CASE WHEN Document\_Type='MJV' AND Transaction\_Code=1 THEN Transaction\_Amount END AS MJVCR1

,CASE WHEN Document\_Type='MJV' AND Transaction\_Code=0 THEN Transaction\_Amount END AS MJVCR0

FROM dbo.S3G\_CLN\_DemandDataset4

WHERE Transaction\_Code in (1,0) AND Due\_Flag=23 AND Document\_Type IN ('CHR','REC','MJV') AND PANUM =@PANUM AND SANUM =@SANUM

)

--The temp table for the Receipt details have been prepared.

SELECT Identity(int, 1,1) AS RECEIPTNO

,PANUM

,SANum

,Value\_Date

,(SUM(ISNULL(RECCR1,0))- SUM(ISNULL(RECR0,0)))-(SUM(ISNULL(CHRCR0,0))-SUM(ISNULL(CHRCR1,0))) - (SUM(ISNULL(MJVCR0,0))-SUM(ISNULL(MJVCR1,0))) AS Collection\_Amount

into ##RECEIPTDETAILS

FROM CTE\_CollectedAmount

Group by PANUM,SANum,Value\_Date

order by PANUM,SANum,Value\_Date

SET @SUBMAXROWINDEX =0

SELECT @SUBMAXROWINDEX = MAX(RECEIPTNO) FROM ##RECEIPTDETAILS

PRINT @SUBMAXROWINDEX

WHILE @SUBROWINDEX <= @SUBMAXROWINDEX

BEGIN

IF NOT EXISTS(SELECT \* FROM ##RECEIPTDETAILS WHERE RECEIPTNO= @SUBROWINDEX)

BEGIN

PRINT 'NO RECEIPTS'

BREAK

END

ELSE

BEGIN

SELECT @RECEIPTNO=RECEIPTNO

,@RECEIPTDATE=VALUE\_DATE

,@RECEIPTAMOUNT=COLLECTION\_AMOUNT

FROM ##RECEIPTDETAILS

WHERE RECEIPTNO= @SUBROWINDEX

END

IF NOT EXISTS(SELECT \* FROM ##INSTALLMENTDETAILS WHERE INSTALLMENTNO= @SUBROWINDEX)

BEGIN

print 'NO INSTALLMENTS'

BREAK

END

ELSE

BEGIN

SELECT @INSTALLMENTNO=INSTALLMENTNO

,@INSTALLMENTAMOUNT=INSTALLMENTAMOUNT

,@INSTALLMENTDATE=INSTALLMENTDATE

FROM ##INSTALLMENTDETAILS

WHERE INSTALLMENTNO= @SUBROWINDEX

END

PRINT 'RECEIPTNO = '+ CAST(@RECEIPTNO AS VARCHAR)

PRINT 'RECEIPTDATE = '+ CAST(@RECEIPTDATE AS VARCHAR)

PRINT 'RECEIPTAMOUNT = '+ CAST(@RECEIPTAMOUNT AS VARCHAR)

PRINT 'INSTALLMENTNO = '+ CAST(@INSTALLMENTNO AS VARCHAR)

PRINT 'INSTALLMENTDATE = '+ CAST(@INSTALLMENTDATE AS VARCHAR)

PRINT 'INSTALLMENTAMOUNT = '+ CAST(@INSTALLMENTAMOUNT AS VARCHAR)

IF NOT EXISTS(SELECT \* FROM ##RESULTTABLE)

BEGIN

SET @REMAININGAMOUNT = 0

END

ELSE

BEGIN

SELECT @REMAININGAMOUNT= (INST.INSTALLMENTAMOUNT-ISNULL(SUM(RST.RECEIPTAMOUNT) ,0))

,@INSTALLMENTNO = INST.INSTALLMENTNO

FROM ##RESULTTABLE RST

INNER JOIN ##INSTALLMENTDETAILS INST ON RST.INSTALLMENTNO = INST.INSTALLMENTNO

GROUP BY INST.INSTALLMENTAMOUNT, INST.INSTALLMENTNO

HAVING (INST.INSTALLMENTAMOUNT-ISNULL(SUM(RST.RECEIPTAMOUNT) ,0)) >0

END

PRINT @REMAININGAMOUNT

IF @REMAININGAMOUNT > 0

BEGIN

PRINT 'INSIDE REMAINING'

IF @RECEIPTAMOUNT < @REMAININGAMOUNT

BEGIN

PRINT '@RECEIPTAMOUNT < @REMAININGAMOUNT'

INSERT INTO ##RESULTTABLE values(@PANUM,@SANUM,@INSTALLMENTDATE,@RECEIPTDATE,@RECEIPTAMOUNT,@INSTALLMENTNO)

BREAK

END

ELSE

BEGIN

PRINT '@RECEIPTAMOUNT > @REMAININGAMOUNT'

INSERT INTO ##RESULTTABLE values(@PANUM,@SANUM,@INSTALLMENTDATE,@RECEIPTDATE,@REMAININGAMOUNT,@INSTALLMENTNO)

SET @RECEIPTAMOUNT = @RECEIPTAMOUNT - @REMAININGAMOUNT

SET @INSTALLMENTNO = @INSTALLMENTNO + 1

END

END

IF @RECEIPTAMOUNT = @INSTALLMENTAMOUNT

BEGIN

PRINT '@RECEIPTAMOUNT = @INSTALLMENTAMOUNT'

INSERT INTO ##RESULTTABLE values(@INSTALLMENTDATE,@RECEIPTDATE,@RECEIPTAMOUNT,@INSTALLMENTNO)

END

IF (@RECEIPTAMOUNT < @INSTALLMENTAMOUNT )

BEGIN

PRINT '@RECEIPTAMOUNT < @INSTALLMENTAMOUNT'

INSERT INTO ##RESULTTABLE values(@INSTALLMENTDATE,@RECEIPTDATE,@RECEIPTAMOUNT,@INSTALLMENTNO)

END

IF (@RECEIPTAMOUNT > @INSTALLMENTAMOUNT )

BEGIN

PRINT '@RECEIPTAMOUNT > @INSTALLMENTAMOUNT'

WHILE @INSTALLMENTAMOUNT < @RECEIPTAMOUNT

BEGIN

IF @RECEIPTAMOUNT > @INSTALLMENTAMOUNT

BEGIN

INSERT INTO ##RESULTTABLE values(@INSTALLMENTDATE,@RECEIPTDATE,@INSTALLMENTAMOUNT,@INSTALLMENTNO)

SET @RECEIPTAMOUNT = @RECEIPTAMOUNT - @INSTALLMENTAMOUNT

SET @INSTALLMENTNO = @INSTALLMENTNO +1

END

ELSE IF @RECEIPTAMOUNT <= @INSTALLMENTAMOUNT

BEGIN

INSERT INTO ##RESULTTABLE values(@INSTALLMENTDATE,@RECEIPTDATE,@RECEIPTAMOUNT,@INSTALLMENTNO)

BREAK;

END

END

END

SET @RECEIPTNO =0

SET @RECEIPTDATE =0

SET @RECEIPTAMOUNT =0

SET @INSTALLMENTNO =0

SET @INSTALLMENTDATE =0

SET @INSTALLMENTAMOUNT =0

SET @PANUM =''

SET @SANUM =''

SET @REMAININGAMOUNT = 0

SET @SUBROWINDEX = @SUBROWINDEX + 1

DROP TABLE ##RESULTTABLE

DROP TABLE ##INSTALLMENTDETAILS

DROP TABLE ##RECEIPTDETAILS

END

SET @ROWINDEX = @ROWINDEX + 1

END

--SELECT \* FROM ##RESULTTABLE

--

DROP TABLE ##ACCOUNTTABLE

--DO SOME PROCESSING HERE

--