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Project Name: PCYC VIP DATA entries and exits by States

Objecttives: PCYC has requested a breakdown of VIP entries and exits by States.

Where:

key is phone

EntryCount = if we found new phone in current VIP batch it's call entry

ExitCount = if that phone missing in the next vip batch it's called out

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use Raffles\_PCYC

go

--====================================================================================================

-- Create Tables

--====================================================================================================

GO

EXEC DBA..PrintX 'Create parameter tables'

EXEC DBA..sp\_droptable '#parameters'

CREATE TABLE #parameters

(

Year CHAR(4) NOT NULL,

Month CHAR(2) NOT NULL,

State CHAR(3) NULL,

EntryCount INT NOT NULL,

ExitCount INT NOT NULL,

Difference INT NOT NULL,

)

select \* from #parameters

--====================================================================================================

-- Get phone and state records

--====================================================================================================

GO

EXEC DBA..PrintX 'Get phone and state records'

DECLARE @msg VARCHAR(MAX)

DECLARE @TSQL VARCHAR(MAX)

DECLARE @VIPStartBatchMonth char(6)

DECLARE @VIPEndBatchMonth char(6)

DECLARE @Year char(4)

DECLARE @Month char(2)

DECLARE @State char(3)

DECLARE @EntryCount INT

DECLARE @ExitCount INT

DECLARE @Difference INT

set @VIPStartBatchMonth = '201906'

set @VIPEndBatchMonth = '202002'

DECLARE oCursor CURSOR FOR

select a.Year,

a.Month,

a.State,

sum(EntryCount) as EntryCount,

sum(ExitCount) as ExitCount,

sum(EntryCount) - sum(ExitCount) as Difference from (

select substring(convert(char(6),x.VIPBatchMonth),1,4) as Year,

substring(convert(char(6),x.VIPBatchMonth),5,2) as Month,

x.phone as Phone,

x.state as State,COUNT(\*) as EntryCount,

(select count(\*) from Transactions where VIPBatchMonth = (x.VIPBatchMonth + 1) and Phone=x.Phone) ExitCount from Transactions x

where x.VIPBatchMonth between @VIPStartBatchMonth and @VIPEndBatchMonth

--and x.state = 'NT'

--and x.Phone = '27128586'

group by x.VIPBatchMonth,x.state,x.phone) a

group by a.Year, a.Month, a.State

order by a.Year, a.Month, a.State

OPEN oCursor

FETCH NEXT FROM oCursor

INTO @Year,@Month,@State,@EntryCount,@ExitCount,@Difference

WHILE @@FETCH\_STATUS = 0

BEGIN

SET @msg = 'Get phone and state records'

EXEC DBA..PrintX @msg

INSERT INTO #parameters

SELECT @Year,@Month,@State,@EntryCount,@ExitCount,@Difference

FETCH NEXT FROM oCursor

INTO @Year,@Month,@State,@EntryCount,@ExitCount,@Difference

END

WHILE @@trancount > 0

COMMIT

CLOSE oCursor

DEALLOCATE oCursor

--====================================================================================================

-- Display records

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select \* from #parameters