/\*

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

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

select \* from #parameters