**Steps to correct the balances of inventory quantity:**

1. **//Run the script to eliminate first the negative in salesqty column that creates another row with same date.//**

If Exists (select \* from iwItemLedgerDaily where salesqty < 0)

Begin

delete iwItemLedgerDaily where salesqty < 0

End

1. **//Query to select double entry dates still found in iwItemLedgerDaily after eliminating negative entries of salesqty column.//**

select max(pk\_iwitemledgerdaily) from iwitemledgerdaily

where (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

in

(select

(convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

from iwitemledgerdaily

group by (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

having count((convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))) > 1)

group by (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

***Note: Before you proceed to script letter D, first, you have to run script letter B to check how many rows will be affected. When done, run the script letter C. It should affect same number of rows result in script B. After that, you need to do the same process until the result in Script B will be no more.***

1. **//Delete double entry dates still found in iwItemLedgerDaily to eliminate further rows causing imbalances of iwItemLedgerDaily from iwItemLedger//**

delete iwitemledgerdaily where PK\_iwitemledgerdaily

in

(select max(pk\_iwitemledgerdaily) from iwitemledgerdaily

where (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

in

(select

(convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

from iwitemledgerdaily

group by (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

having count((convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))) > 1)

group by (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101)))

1. **//Eliminate also those entry in iwItemLedgerDaily that has no corrresponding iwItemLedger entry//**

If Exists (select \* from iwItemLedgerDaily where (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

not in (select (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,regdate,101)) from iwitemledger))

Begin

delete iwItemLedgerDaily where (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,refdate,101))

not in (select (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,regdate,101)) from iwitemledger)

end

1. **//To insert missing *iwItemLedgerDaily* entry for those existing iwItemLedger data//**

insert into iwItemLedgerDaily

(

FK\_mscBranches,

FK\_iwItems,

FK\_mscWarehouse,

barcodeid,

purcprice,

refdate,

begbalance,

purcqty,

purcoutqty,

purcretqty ,

purcretinqty,

salesqty,

salesretqty,

adjinqty,

adjoutqty,

reqinqty,

reqoutqty,

prodqty,

prodoutqty,

endbalance,

issoutqty,

issinqty,

actualqty,

saleprice

)

select

FK\_mscBranches,

FK\_iwItems,

FK\_mscWarehouse,

isnull(barcodeid,(select isnull(barcodeid,'') from iwitems where PK\_iwItems = ItemNotInLedgerDaily.FK\_iwItems)),

purcprice,

refdate = convert(varchar,regdate,101),

begbal = 0,

purcqty = sum(case when doctype = 'DR' then qtyin else 0 end),

purcoutqty = sum(case when doctype = 'DR' then qtyout else 0 end),

purcretqty = sum(case when doctype = 'PR' then qtyout else 0 end),

purcretinqty = sum(case when doctype = 'PR' then qtyin else 0 end),

salesqty = sum(case when doctype in ('CA','CH') then qtyout else 0 end),

salesretqty = sum(case when doctype = 'CN' then qtyin else 0 end),

adjinqty = sum(case when doctype in ('QA','PC') then qtyin else 0 end),

adjoutqty = sum(case when doctype in ('QA','PC') then qtyout else 0 end),

reqinqty = sum(case when doctype = 'SS' then qtyin else 0 end),

reqoutqty = sum(case when doctype = 'SS' then qtyout else 0 end),

prodinqty = sum(case when doctype = 'MP' then qtyin else 0 end),

prodoutqty = sum(case when doctype = 'MP' then qtyout else 0 end),

endbal = 0,

issoutqty = sum(case when doctype = 'EI' then qtyout else 0 end),

issinqty = sum(case when doctype = 'EI' then qtyin else 0 end),

actualqty = abs(SUM(qtyin - qtyout)),

saleprice = null

from

(

select \* from iwItemLedger where (convert(nvarchar,FK\_iwItems) + convert(nvarchar,FK\_mscWarehouse) + convert(nvarchar,regdate,101))

not in (select (convert(nvarchar,FK\_iwItems) + convert(nvarchar,FK\_mscWarehouse) + convert(nvarchar,refdate,101)) from iwItemLedgerDaily)

) as ItemNotInLedgerDaily

group by FK\_mscBranches,

FK\_iwItems,

FK\_mscWarehouse,

barcodeid,

purcprice,

regdate

1. **//Run the update script to correct the balances of tables iwItemLedgerDaily and iwWareItem. Based table is iwItemLedger.//**

If Not Exists (select \* from iwItemLedgerDaily where salesqty < 0)

Begin

update a set

a.purcqty = b.DeliveriesIn,

a.purcretqty = ReturnsOut,

a.salesqty = b.Sales,

a.salesretqty = b.CreditNote,

a.adjinqty = b.AdjIn + PhysicalCountIn,

a.adjoutqty = b.AdjOut + PhysicalCountOut,

a.reqinqty = b.StockIssuanceIn,

a.reqoutqty = b.StockIssuanceOut,

a.prodqty = b.MaterialProdIn,

a.prodoutqty = b.MaterialProdOut,

a.issoutqty = b.ExpenseIssuanceOut,

a.issinqty = b.ExpenseIssuanceIn,

a.purcoutqty = b.DeliveriesOut,

a.purcretinqty = b.ReturnsIn

from

iwitemledgerdaily as a

inner join

-----------------------Temporary table for ledger---------------------

(

select ConCatDeptItemDate,itemdesc, department, refdate,

Sales = SUM(sales),

CreditNote = sum(creditnote),

PhysicalCountIn = SUM(PhysicalCountIn),

PhysicalCountOut = SUM(PhysicalCountOut),

StockIssuanceIn = SUM(StockIssuanceIn),

StockIssuanceOut = SUM(StockIssuanceOut),

ExpenseIssuanceIn = sum(ExpenseIssuanceIn),

ExpenseIssuanceOut = sum(ExpenseIssuanceOut),

MaterialProdIn = SUM(MaterialProdIn),

MaterialProdOut = SUM(MaterialProdOut),

DeliveriesIn = SUM(DeliveriesIn),

DeliveriesOut = SUM(DeliveriesOut),

ReturnsIn = SUM(ReturnsIn),

ReturnsOut = SUM(ReturnsOut),

AdjIn = SUM(AdjIn),

AdjOut = SUM(AdjOut)

from

(select

ConCatDeptItemDate = (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse) + convert(varchar,regdate,101)),

itemdesc = dbo.udf\_GetItemDescription(a.fk\_iwitems),

department = dbo.udf\_GetDepartmentName(a.fk\_mscwarehouse),

refdate = convert(varchar,a.regdate,101),

sales = isnull((select isnull(a.qtyout,0) where a.doctype in ('CH','CA')),0),

creditnote = isnull((select isnull(a.qtyin,0) where a.doctype in ('CN')),0),

PhysicalCountIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('PC')),0),

PhysicalCountOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('PC')),0),

StockIssuanceIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('SS')),0),

StockIssuanceOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('SS')),0),

ExpenseIssuanceIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('EI')),0),

ExpenseIssuanceOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('EI')),0),

MaterialProdIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('MP')),0),

MaterialProdOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('MP')),0),

DeliveriesIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('DR','PI')),0),

DeliveriesOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('DR','PI')),0),

ReturnsIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('PR')),0),

ReturnsOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('PR')),0),

AdjIn = isnull((select isnull(a.qtyin,0) where a.doctype in ('QA')),0),

AdjOut = isnull((select isnull(a.qtyout,0) where a.doctype in ('QA')),0)

from iwItemLedger as a) as LedgerTable

group by itemdesc, department, refdate, ConCatDeptItemDate) as b

on (convert(varchar,a.FK\_iwItems) + convert(varchar,a.FK\_mscWarehouse) + convert(varchar,a.refdate,101)) = ConCatDeptItemDate

------------------------------------------------------------------------

update a set

a.purcqty = b.purcqty,

a.purcretqty = b.purcretqty,

a.purcretinqty = b.purcretinqty,

a.salesqty = b.salesqty,

a.salesretqty = b.salesretqty,

a.adjinqty = b.adjinqty,

a.adjoutqty = b.adjoutqty,

a.reqinqty = b.reqinqty,

a.reqoutqty = b.reqoutqty,

a.prodqty = b.prodqty,

a.prodoutqty = b.prodoutqty,

a.issoutqty = b.issoutqty,

a.issinqty = b.issinqty,

a.purcoutqty = b.purcoutqty

from

iwWareItem as a

inner join

---------------Temporary Table for iwItemLegderDaily

(

select

ConCatDeptItem = (convert(varchar,FK\_iwItems) + convert(varchar,FK\_mscWarehouse)),

itemdesc = dbo.udf\_GetItemDescription(fk\_iwitems),

department = dbo.udf\_GetDepartmentName(fk\_mscwarehouse),

purcqty = sum(isnull(purcqty,0)),

purcoutqty = sum(isnull(purcoutqty,0)),

purcretqty = sum(isnull(purcretqty,0)),

purcretinqty = sum(isnull(purcretinqty,0)),

salesqty = sum(isnull(salesqty,0)),

salesretqty = sum(isnull(salesretqty,0)),

adjinqty = sum(isnull(adjinqty,0)),

adjoutqty = sum(isnull(adjoutqty,0)),

reqinqty = sum(isnull(reqinqty,0)),

reqoutqty = sum(isnull(reqoutqty,0)),

prodqty = sum(isnull(prodqty,0)),

prodoutqty = sum(isnull(prodoutqty,0)),

issoutqty = sum(isnull(issoutqty,0)),

issinqty = sum(isnull(issinqty,0))

from iwItemLedgerDaily

group by FK\_iwItems, FK\_mscWarehouse

) as b

on (convert(varchar,a.FK\_iwItems) + convert(varchar,a.FK\_mscWarehouse)) = b.ConCatDeptItem

-----------------------------------------------------------------------------------------

End