**DML:**

**DIMENSIONS**

**Customer:**

Insert:

Insert into [Target\_OCT19\_TMohan].dbo.sample\_dim\_customer

select

case when rc.customer\_id is null then 0 else ltrim(rtrim(rc.customer\_id)) end as customer\_id,

case when rc.firstname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(rc.firstname,1,1)),

substring(rc.firstname,2,len(rc.firstname)))))end as firstname,

case when rc.lastname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(rc.lastname,1,1)),

substring(rc.lastname,2,len(rc.lastname)))))end as lastname,

case when rc.contactaddress is null then 'UNK' else ltrim(rtrim(concat('No:',

substring(rc.contactaddress,1,charindex(' ',rc.contactaddress,1)),',',

substring(rc.contactaddress,charindex(' ',rc.contactaddress,1),len(rc.contactaddress)))))end

as contactaddress,

case when rc.contactphone is null then 'UNK' else

ltrim(rtrim(substring(rc.contactphone,

charindex(' ',rc.contactphone,1),

len(rc.contactphone)))) end

as contactphone,

case when rc.contact\_email is null then 'UNK' else

ltrim(rtrim(rc.contact\_email)) end as contact\_email,

GETDATE() as DW\_CREATED\_DATE,

SUSER\_SNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATE\_DATE,

SUSER\_SNAME() as DW\_UPDATE\_BY

from ralli.[dbo].[Customer] rc

left join

[Target\_OCT19\_TMohan].dbo.sample\_dim\_customer sdc

on

rc.Customer\_id=sdc.customer\_id

where

sdc.customer\_id is null

Update:

update [Target\_OCT19\_TMohan].dbo.sample\_dim\_customer

set contactphone=case when c.contactphone is null then 'UNK' else

ltrim(rtrim(substring(c.contactphone,

charindex(' ',c.contactphone,1),

len(c.contactphone)))) end,

DW\_UPDATE\_DATE=GETDATE(),

DW\_UPDATE\_BY=SUSER\_SNAME()

from

ralli.[dbo].[Customer] c

join

[Target\_OCT19\_TMohan].dbo.sample\_dim\_customer dc

on

c.customer\_id=dc.customer\_id

where

ltrim(rtrim(substring(c.contactphone,

charindex(' ',c.contactphone,1),

len(c.contactphone))))<> dc.contactphone

**Location:**

Insert:

insert into Dim\_location

select

case when s.locationid is null then 0 else LTRIM(rtrim(s.locationid)) end as locationid

,case when s.locationtype is null then 'UNK' else LTRIM(rtrim(s.locationtype)) end as locationtype

,case when s.locationdescription is null then 'UNK' else Ltrim(rtrim( concat(upper(SUBSTRING(s.locationdescription,1,1)),

substring(s.locationdescription,2,LEN(s.locationdescription)),'.'))) end as locationdescription

,case when s.region like 'North%' then substring(s.region,1,5)+' ' +concat(upper(substring(s.region,6,1)),substring(s.region,7,len(s.region)))

when s.region like 'South%' then substring(s.region,1,5)+' ' +concat(upper(substring(s.region,6,1)),substring(s.region,7,len(s.region)))

when s.region like 'Mid%' then substring(s.region,1,3)+' ' +concat(upper(substring(s.region,4,1)),substring(s.region,5,len(s.region)))

else s.region end as region

,case when s.regionmanageruserid is null then 0 else ltrim(rtrim(s.regionmanageruserid)) end as regionmanageruserid

,case when s.address is null then 'UNK' else concat('No:',substring(s.address,1,charindex(' ',s.address,1)),',',

substring(s.address,charindex(' ',s.address,1)+1,len(s.address)),'.')end as address

,case when s.city is null then 'UNK' else ltrim(rtrim(s.city)) end as city

,case when s.postalcode is null then 'UNK' else ltrim(rtrim(s.postalcode)) end as postalcode

,case when s.PhoneNumber is null then 'UNK' else ltrim(rtrim(replace(s.PhoneNumber,'-',' '))) end as PhoneNumber

,case when s.fax is null then 'UNK' else ltrim(rtrim(replace(s.fax,'-',' '))) end as fax

,case when s.email is null then 'UNK' else ltrim(rtrim(s.email)) end as email

,case when s.StoreManagerUserID is null then 'UNK' else ltrim(rtrim(s.StoreManagerUserID)) end as StoreManagerUserID

,case when s.IsDelegateServiceCenter is null then 'N' else iif(s.IsDelegateServiceCenter=0,'N','Y') end as IsDelegateServiceCenter

,case when s.enabled is null then 'N' else iif(s.enabled=0,'N','Y') end as enabled

,case when s.ispartwarehouse is null then 'N' else iif(s.ispartwarehouse=0,'N','Y') end as ispartwarehouse

,case when s.FRTRate is null then 0 else s.FRTRate end as FRTRate

,case when s.CurrencyCode is null then 'UNK' else ltrim(rtrim(s.CurrencyCode)) end as CurrencyCode

,case when s.market is null then 'UNK' else ltrim(rtrim(s.market)) end as market

,case when s.CriticalPartReportLocationTitle is null then 'UNK' else ltrim(rtrim(s.CriticalPartReportLocationTitle)) end as CriticalPartReportLocationTitle

,case when s.IsMRBWareHouse is null then 'N' else iif(s.IsMRBWareHouse=0,'N','Y') end as IsMRBWareHouse

,case when s.weekdayworkhours is null then 'UNK' else ltrim(rtrim(s.weekdayworkhours)) end as weekdayworkhours

,case when s.IsEngineering is null then 'N' else iif(s.IsEngineering=0,'N','Y') end as IsEngineering

,case when s.PreferredLanguage is null then 'UNK' else ltrim(rtrim(s.PreferredLanguage)) end as PreferredLanguage

,GETDATE() as DW\_CREATED\_DATE

,SUSER\_SNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATE\_DATE

,SUSER\_SNAME() as DW\_UPDATE\_BY

from ralli.dbo.location s

left join

Dim\_location t

on

s.locationid=t.locationid

where

t.locationid is null

**Part:**

Insert:

insert into dim\_part

select

case when s.partid is null then 0 else ltrim(rtrim(s.partid)) end as partid,

case when s.partnumber is null then 'UNK' else ltrim(rtrim(s.partnumber)) end as partnumber,

case when s.partsystem is null then 'UNK' else ltrim(rtrim(concat(upper(substring(s.partsystem,1,1)),

substring(s.partsystem,2,len(s.partsystem)))))end as partsystem,

case when s.partsubsystem is null then 'UNK' else ltrim(rtrim(concat(upper(substring(s.partsubsystem,1,1)),

substring(s.partsubsystem,2,len(s.partsubsystem)))))end as partsubsystem,

case when s.suppliercode is null then 0 else ltrim(rtrim(s.suppliercode)) end as suppliercode,

case when s.name is null then 'UNK' else

REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(s.name,char(32),''), char(33),''), char(34),''),char(35),'')

,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'') end as name,

case when s.Description is null then 'UNK' else ltrim(rtrim(concat(upper(substring(s.Description,1,1)),

substring(s.Description,2,len(s.Description)))))end as Description,

case when s.planningleadtime is null then 0 else ltrim(rtrim(s.planningleadtime)) end as planningleadtime,

case when s.unitprice is null then 0 else s.unitprice end as unitprice,

case when s.orderpoint is null then 0 else ltrim(rtrim(s.orderpoint)) end as orderpoint,

case when s.SafetyStockQuantity is null then 0 else s.SafetyStockQuantity end as SafetyStockQuantity,

case when s.FabricatedFlag is null then 'N' else iif(s.FabricatedFlag=0,'N','Y') end as FabricatedFlag,

case when s.PurchasedFlag is null then 'N' else iif(s.PurchasedFlag=0,'N','Y') end as PurchasedFlag,

case when s.StockedFlag is null then 'N' else iif(s.StockedFlag=0,'N','Y') end as StockedFlag,

case when s.InspectionRequiredFlag is null then 'N' else iif(s.InspectionRequiredFlag=0,'N','Y') end as InspectionRequiredFlag,

case when s.HazardousMaterialFlag is null then 'N' else iif(s.HazardousMaterialFlag=0,'N','Y') end as HazardousMaterialFlag,

case when s.version is null then 'UKN' else ltrim(rtrim(s.version)) end as version,

case when s.enabled is null then 'N' else iif(s.enabled=0,'N','Y') end as enabled

from ralli.dbo.part s

left join

dim\_part t

on

s.partid=t.partid

where

t.partid is null

Update:

update dim\_part

set

name\_history2=t.name\_history1,

name\_history1=t.name,

name=REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(s.name,char(32),''), char(33),''), char(34),''),char(35),'')

,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'')

from

dim\_part t

join

ralli.dbo.part s

on s.partid=t.partid

where

t.name<>REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'')

**Users:**

Insert1:

Insert into [Target\_OCT19\_TMohan].dbo.dim\_users

select

case when a.userid is null then 0 else ltrim(rtrim(a.userid)) end as userid,

case when a.firstname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(a.firstname,1,1)),

substring(a.firstname,2,len(a.firstname))))) end as firstname,

case when a.lastname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(a.lastname,1,1)),

substring(a.lastname,2,len(a.lastname))))) end as lastname,

case when a.displayname is null then 'UNK' else concat(ltrim(rtrim(concat(upper(substring(a.firstname,1,1)),

substring(a.firstname,2,len(a.firstname))))),' ',

ltrim(rtrim(concat(upper(substring(a.lastname,1,1)),

substring(a.lastname,2,len(a.lastname)))))) end as displayname,

case when a.department is null then 'UNK' else ltrim(rtrim(a.department)) end as department,

case when a.title is null then 'UNK' else ltrim(rtrim(a.title)) end as title,

case when a.manager is null then 'UNK' else ltrim(rtrim(a.manager)) end as manager,

case when a.email is null then 'UNK' else ltrim(rtrim(a.email)) end as email,

case when a.enabled is null then 0 else ltrim(rtrim(a.enabled)) end as enabled,

case when a.division is null then 'UNK' else ltrim(rtrim(a.division)) end as division,

case when a.manageruserid is null then 0 else ltrim(rtrim(a.manageruserid)) end as manageruserid,

0 as title\_version,

GETDATE() as DW\_CREATED\_DATE,

SUSER\_SNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATE\_DATE,

SUSER\_SNAME() as DW\_UPDATE\_BY

from

ralli.dbo.users a

left join

[Target\_OCT19\_TMohan].dbo.sample\_dim\_users b

on

a.userid=b.userid

where

b.userid is null

Insert2:

Insert into [Target\_OCT19\_TMohan].dbo.dim\_users

select

case when a.userid is null then 0 else ltrim(rtrim(a.userid)) end as userid,

case when a.firstname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(a.firstname,1,1)),

substring(a.firstname,2,len(a.firstname))))) end as firstname,

case when a.lastname is null then 'UNK' else ltrim(rtrim(concat(upper(substring(a.lastname,1,1)),

substring(a.lastname,2,len(a.lastname))))) end as lastname,

case when a.displayname is null then 'UNK' else concat(ltrim(rtrim(concat(upper(substring(a.firstname,1,1)),

substring(a.firstname,2,len(a.firstname))))),' ',

ltrim(rtrim(concat(upper(substring(a.lastname,1,1)),

substring(a.lastname,2,len(a.lastname)))))) end as displayname,

case when a.department is null then 'UNK' else ltrim(rtrim(a.department)) end as department,

case when a.title is null then 'UNK' else ltrim(rtrim(a.title)) end as title,

case when a.manager is null then 'UNK' else ltrim(rtrim(a.manager)) end as manager,

case when a.email is null then 'UNK' else ltrim(rtrim(a.email)) end as email,

case when a.enabled is null then 0 else ltrim(rtrim(a.enabled)) end as enabled,

case when a.division is null then 'UNK' else ltrim(rtrim(a.division)) end as division,

case when a.manageruserid is null then 0 else ltrim(rtrim(a.manageruserid)) end as manageruserid,

case when title\_version is null then 0 else title\_version+1 end as title\_version,

GETDATE() as DW\_CREATED\_DATE,

SUSER\_SNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATE\_DATE,

SUSER\_SNAME() as DW\_UPDATE\_BY

from

ralli.dbo.users a

left join

[Target\_OCT19\_TMohan].dbo.sample\_dim\_users b

on

a.userid=b.userid

and

ltrim(rtrim(a.title))<>b.title

where

title\_version = (select max(title\_version)

from [Target\_OCT19\_TMohan].dbo.sample\_dim\_users c

where b.userid=c.userid

)

**VehicleVIN:**

Insert1:

insert into dim\_vehiclevin

select

case when s.vehiclevinid is null then 0 else ltrim(rtrim(s.vehiclevinid)) end as vehiclevinid,

case when s.vehiclevin is null then 'UNK' else ltrim(rtrim(s.vehiclevin)) end as vehiclevin,

case when s.VehicleModelCode is null then 'UNK' else ltrim(rtrim(s.vehiclemodelcode)) end as vehiclemodelcode,

case when s.vehiclemodel is null then 'UNK' else ltrim(rtrim(s.vehiclemodel)) end as vehiclemodel,

case when s.modelcategory is null then 'UNK' else ltrim(rtrim(s.modelcategory)) end as modelcategory,

case when s.modelyear is null then 0 else ltrim(rtrim(s.modelyear)) end as modelyear,

case when s.driveorientation is null then 'UNK' else ltrim(rtrim(s.driveorientation)) end as driveorientation,

case when s.actualdeliveryeddate is null then '01-01-1900' else

ltrim(rtrim(concat(format(s.actualdeliveryeddate,'MMM'),' ',

format(s.actualdeliveryeddate,'dd'),' ',

format(s.actualdeliveryeddate,'yyyy'),' ',

format(s.actualdeliveryeddate,'hh:mm'),' ',

format(s.actualdeliveryeddate,'tt'))))end as actualdeliverydate,

case when s.enabled is null then 0 else ltrim(rtrim(s.enabled)) end as enabled,

case when s.nearestservicelocationid is null then 0 else ltrim(rtrim(s.nearestservicelocationid)) end as nearestservicelocationid,

case when s.factorygatedate is null then '01-01-1900' else

ltrim(rtrim(format(s.factorygatedate,'yyyyMMdd'))) end as factorygatedate,

case when s.vehiclecolor is null then 'UNK' else ltrim(rtrim(s.vehiclecolor)) end as vehiclecolor,

case when s.vehicletitle is null then 'UNK' else ltrim(rtrim(s.vehicletitle)) end as vehicletitle,

case when s.lastodometer is null then '0' else ltrim(rtrim(s.lastodometer)) end as lastodometer,

case when s.inventoryvehicle is null then 0 else ltrim(rtrim(s.inventoryvehicle)) end as inventoryvehicle,

case when s.newused is null then 'UNK' else ltrim(rtrim(s.newused)) end as newused,

case when s.market is null then 'UNK' when s.market='EU'then 'EUROPE'

when s.market='EUO' then 'EUROPE OTHERS'

when s.market='NA' then 'NORTH AMERICA'

when s.market='APAC' then 'ASIA PACIFIC'

end as market,

case when s.deliveryregion is null then 'UNK' else

replace(s.deliveryregion,' ','') end as deliveryregion,

case when s.odometertype is null then 'UNK'

when s.odometertype='Kilometers' then 'km'

when s.odometertype='miles' then 'mi'

end as odometertype,

getdate() as locationid\_startdate,

getdate()-1 as locationid\_enddate,

GETDATE() as DW\_CREATED\_DATE,

SUSER\_SNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATE\_DATE,

SUSER\_SNAME() as DW\_UPDATE\_BY

from ralli.dbo.VehicleVIN s

left join dim\_vehiclevin t

on

s.vehiclevin=t.vehiclevin

where

t.vehiclevin is null

and s.enabled=-1

Update:

update dim\_vehiclevin

set

locationid\_enddate=getdate()

from dim\_vehiclevin t

join

ralli.dbo.VehicleVIN s

on

t.vehiclevin=s.vehiclevin

where

t.NearestServiceLocationID<>

ltrim(rtrim(s.NearestServiceLocationID))

and

t.locationid\_enddate=(select max(locationid\_enddate) from

dim\_vehiclevin where vehiclevin=t.vehiclevin)

and

s.enabled=-1

Insert2:

insert into dim\_vehiclevin

select

case when s.vehiclevinid is null then 0 else ltrim(rtrim(s.vehiclevinid)) end as vehiclevinid,

case when s.vehiclevin is null then 'UNK' else ltrim(rtrim(s.vehiclevin)) end as vehiclevin,

case when s.VehicleModelCode is null then 'UNK' else ltrim(rtrim(s.vehiclemodelcode)) end as vehiclemodelcode,

case when s.vehiclemodel is null then 'UNK' else ltrim(rtrim(s.vehiclemodel)) end as vehiclemodel,

case when s.modelcategory is null then 'UNK' else ltrim(rtrim(s.modelcategory)) end as modelcategory,

case when s.modelyear is null then 0 else ltrim(rtrim(s.modelyear)) end as modelyear,

case when s.driveorientation is null then 'UNK' else ltrim(rtrim(s.driveorientation)) end as driveorientation,

case when s.actualdeliveryeddate is null then '01-01-1900' else

ltrim(rtrim(concat(format(s.actualdeliveryeddate,'MMM'),' ',

format(s.actualdeliveryeddate,'dd'),' ',

format(s.actualdeliveryeddate,'yyyy'),' ',

format(s.actualdeliveryeddate,'hh:mm'),' ',

format(s.actualdeliveryeddate,'tt'))))end as actualdeliverydate,

case when s.enabled is null then 0 else ltrim(rtrim(s.enabled)) end as enabled,

case when s.nearestservicelocationid is null then 0 else ltrim(rtrim(s.nearestservicelocationid)) end as nearestservicelocationid,

case when s.factorygatedate is null then '01-01-1900' else

ltrim(rtrim(format(s.factorygatedate,'yyyyMMdd'))) end as factorygatedate,

case when s.vehiclecolor is null then 'UNK' else ltrim(rtrim(s.vehiclecolor)) end as vehiclecolor,

case when s.vehicletitle is null then 'UNK' else ltrim(rtrim(s.vehicletitle)) end as vehicletitle,

case when s.lastodometer is null then '0' else ltrim(rtrim(s.lastodometer)) end as lastodometer,

case when s.inventoryvehicle is null then 0 else ltrim(rtrim(s.inventoryvehicle)) end as inventoryvehicle,

case when s.newused is null then 'UNK' else ltrim(rtrim(s.newused)) end as newused,

case when s.market is null then 'UNK' when s.market='EU'then 'EUROPE'

when s.market='EUO' then 'EUROPE OTHERS'

when s.market='NA' then 'NORTH AMERICA'

when s.market='APAC' then 'ASIA PACIFIC'

end as market,

case when s.deliveryregion is null then 'UNK' else

replace(s.deliveryregion,' ','') end as deliveryregion,

case when s.odometertype is null then 'UNK'

when s.odometertype='Kilometers' then 'km'

when s.odometertype='miles' then 'mi'

end as odometertype,

getdate() as locationid\_startdate,

null as locationid\_enddate,

GETDATE() as DW\_CREATED\_DATE,

SUSER\_SNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATE\_DATE,

SUSER\_SNAME() as DW\_UPDATE\_BY

from ralli.dbo.VehicleVIN s

left join dim\_vehiclevin t

on

s.vehiclevin=t.vehiclevin

and

t.nearestservicelocationid<>ltrim(rtrim(s.nearestservicelocationid))

where

t.locationid\_enddate=(select max(locationid\_enddate) from

dim\_vehiclevin where vehiclevin=t.vehiclevin)

and

s.enabled=-1

**FACT:**

**Customercomplaint:**

insert into fact\_customercomplaint

select

case when tr.customercomplaintID is null then 0 else tr.customercomplaintid end as customercomplaintid

,v.vehicle\_key

,l.location\_key

,case when tr.enabled is null then 0 else tr.enabled end as enabled

,case when tr.createddate is null then '01-01-1900' else

format(tr.createddate,'dd/MM/yyyy hh:mm:ss')

end as createddate

,c.customer\_key

,d.datekey as created\_key

,GETDATE() as DW\_CREATED\_DATE

,SUSER\_SNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATE\_DATE

,SUSER\_SNAME() as DW\_UPDATE\_BY

from

ralli.dbo.customercomplaint tr

left join

dim\_vehiclevin v

on ltrim(rtrim(tr.vin))=v.vehiclevin

left join

dim\_location l

on tr.locationID=l.locationid

left join

dim\_customer c

on tr.customer\_id=c.customer\_id

left join

dim\_date d

on cast(tr.createddate as date)=d.date

**Customercomplaintdetail:**

begin

declare @count int;

select @count= COUNT(\*) from fact\_customercomplaintdetail

if @count = 0

begin

insert into fact\_customercomplaintdetail

select

case when tr.customercomplaintdetail\_id is null then 0 else tr.customercomplaintdetail\_id end as customercomplaintdetail\_id

,case when fc.customercomplaint\_key is null then -1 else fc.customercomplaint\_key end as customercomplaint\_key

,case when c.complaint\_key is null then -1 else c.complaint\_key end as complaint\_key

,case when ct.complainttype\_key is null then -1 else ct.complainttype\_key end as complainttype\_key

,case when a.actiontype\_key is null then -1 else a.actiontype\_key end as actiontype\_key

,case when tr.description is null then 'UNK' else REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(tr.description,char(32),''), char(33),''), char(34),''),char(35),'')

,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'') end as description

,case when tr.shortdescription is null then 'UNK' else REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'') end as shortdescription

,case when tr.isvehicleoperable is null then 'N' else iif(tr.isvehicleoperable=0,'N','Y') end as isvehicleoperable

,case when tr.istow is null then 'N' else iif(tr.istow=0,'N','Y') end as istow

,case when l.location\_key is null then -1 else l.location\_key end as location\_key

,case when tr.createdate is null then '01-01-1900' else tr.createdate end as createdate

,case when tr.complaintclosedate is null then '01-01-1900' else tr.complaintclosedate end as complaintclosedate

,case when u.user\_key is null then -1 else u.user\_key end as createdbyuser\_key

,case when d.datekey is null then 19000101 else d.datekey end as createdate\_key

,case when d1.datekey is null then 19000101 else d1.datekey end as complaintclosedate\_key

,getdate() as DW\_CREATED\_DATE

,SUSER\_sNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATED\_DATE

,SUSER\_sNAME()as DW\_UPDATED\_BY

from

ralli.[dbo].CustomerComplaintDetail tr

left join

fact\_customercomplaint fc

on

tr.customercomplaintid=fc.customercomplaintid

left join

dim\_complaintstatus c

on

tr.complaintstatus=c.complaintstatus

left join

dim\_complainttype ct

on

tr.complainttype=ct.complainttype

left join

dim\_actiontype a

on

tr.actiontype=a.actiontype

left join

dim\_location l

on

tr.ServiceLocationID=l.locationid

left join

dim\_users u

on

tr.createdbyuserid=u.userid

left join

dim\_date d

on

cast(tr.createdate as date)=d.date

left join

dim\_date d1

on

cast(tr.complaintclosedate as date)=d1.date

left join

fact\_customercomplaintdetail f

on

tr.customercomplaintdetail\_id=f.customercomplaintdetail\_id

where

f.customercomplaintdetail\_id is null

end

else

begin

insert into fact\_customercomplaintdetail

select

case when tr.customercomplaintdetail\_id is null then 0 else tr.customercomplaintdetail\_id end as customercomplaintdetail\_id

,case when fc.customercomplaint\_key is null then -1 else fc.customercomplaint\_key end as customercomplaint\_key

,case when c.complaint\_key is null then -1 else c.complaint\_key end as complaint\_key

,case when ct.complainttype\_key is null then -1 else ct.complainttype\_key end as complainttype\_key

,case when a.actiontype\_key is null then -1 else a.actiontype\_key end as actiontype\_key

,case when tr.description is null then 'UNK' else REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(REPLACE(tr.description,char(32),''), char(33),''), char(34),''),char(35),'')

,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'') end as description

,case when tr.shortdescription is null then 'UNK' else REPLACE(REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE( REPLACE

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,char(36),''),char(37),''),char(38),''),char(39),''),char(40),''),char(41),''),char(42),''),char(43),''),char(44),''),char(45)

,''),char(46),''),char(47),''),char(58),''),char(59),''),char(60),''),char(61),''),char(62),''),char(63),''),char(64),'')

,char(91),''),char(92),''),char(93),''),char(94),''),char(95),''),char(96),''),char(123),''),char(124),''),char(125),''),

char(126),''),char(127),'') end as shortdescription

,case when tr.isvehicleoperable is null then 'N' else iif(tr.isvehicleoperable=0,'N','Y') end as isvehicleoperable

,case when tr.istow is null then 'N' else iif(tr.istow=0,'N','Y') end as istow

,case when l.location\_key is null then -1 else l.location\_key end as location\_key

,case when tr.createdate is null then '01-01-1900' else tr.createdate end as createdate

,case when tr.complaintclosedate is null then '01-01-1900' else tr.complaintclosedate end as complaintclosedate

,case when u.user\_key is null then -1 else u.user\_key end as createdbyuser\_key

,case when d.datekey is null then 19000101 else d.datekey end as createdate\_key

,case when d1.datekey is null then 19000101 else d1.datekey end as complaintclosedate\_key

,getdate() as DW\_CREATED\_DATE

,SUSER\_sNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATED\_DATE

,SUSER\_sNAME()as DW\_UPDATED\_BY

from

ralli.[dbo].CustomerComplaintDetail tr

left join

fact\_customercomplaint fc

on

tr.customercomplaintid=fc.customercomplaintid

left join

dim\_complaintstatus c

on

tr.complaintstatus=c.complaintstatus

left join

dim\_complainttype ct

on

tr.complainttype=ct.complainttype

left join

dim\_actiontype a

on

tr.actiontype=a.actiontype

left join

dim\_location l

on

tr.ServiceLocationID=l.locationid

left join

dim\_users u

on

tr.createdbyuserid=u.userid

left join

dim\_date d

on

cast(tr.createdate as date)=d.date

left join

dim\_date d1

on

cast(tr.complaintclosedate as date)=d1.date

left join

fact\_customercomplaintdetail f

on

tr.customercomplaintdetail\_id=f.customercomplaintdetail\_id

where

f.customercomplaintdetail\_id is null

and f.[CreateDate]>(select max([CreateDate]) from [Target\_OCT19\_Tmohan].[dbo].[fact\_CustomerComplaintDetail])

end

end

**Orders:**

INSERT INTO [dbo].[FACT\_orders]

select case when f.[OrderID] is null then 0 else f.[OrderID] end as [OrderID]

,case when ltrim(rtrim(f.[OrderNumber])) IS NULL then 'UNK' ELSE LTRIM(RTRIM(F.[OrderNumber])) END AS [OrderNumber]

,f.[DateTime]

,v.VEHICLE\_KEY

,case when f.[Odometer]IS NULL then 0 ELSE F.[Odometer] END AS [Odometer]

,CASE WHEN US.[USER\_KEY] IS NULL THEN -1 ELSE US.[USER\_KEY] END AS [USER\_KEY]

,CASE WHEN LOC.[LOCATION\_KEY] IS NULL THEN -1 ELSE LOC.[LOCATION\_KEY] END AS [LOCATION\_KEY]

,CASE WHEN PO.PAYMENTtype\_KEY IS NULL THEN -1 ELSE PO.PAYMENTtype\_KEY END AS PAYMENTtype\_KEY

,CASE WHEN US1.[USER\_KEY] IS NULL THEN -1 ELSE US1.[USER\_KEY] END AS USERKEY1

,case when

upper(substring(F.[OrderStatus],1,1))+ lower(substring(F.[OrderStatus],2,len(F.[OrderStatus]))) is null then 'UNK' else

ltrim(rtrim(upper(substring(F.[OrderStatus],1,1))+ LTRIM(RTRIM(lower(substring(F.[OrderStatus],2,len(F.[OrderStatus]))))))) end as [OrderStatus]

,case when f.[TotalPartPrice]IS NULL then 0 ELSE CAST ( F.[TotalPartPrice] AS DECIMAL(10,2)) END AS [TotalPartPrice]

,case when f.[TotalLaborAmount]IS NULL then 0 ELSE CAST( F.[TotalLaborAmount]AS DECIMAL(10,2)) END AS [TotalLaborAmount]

,case when f.[TotalTaxAmount]IS NULL then 0 ELSE CAST (F.[TotalTaxAmount]AS DECIMAL(10,2)) END AS [TotalTaxAmount]

,case when f.[TotalAmount]IS NULL then 0 ELSE CAST(F.[TotalAmount]AS DECIMAL(10,2)) END AS [TotalAmount]

,case when F.[IsCustomerPickUp] is null then 'UNK' else iif(F.[IsCustomerPickUp]=0,'N','Y') end as [IsCustomerPickUp]

,case when F.[IsRangerDrop] is null then 'UNK' else iif(F.[IsRangerDrop]=0,'N','Y') end as [IsRangerDrop]

,case when f.[ShippingAmount]IS NULL then 0 ELSE CAST(F.[ShippingAmount]AS DECIMAL(10,2)) END AS [ShippingAmount]

,CASE WHEN FORMAT (f.[OrderCloseDate],'yyyy/MM/dd hh:mm:ss') IS NULL THEN '01-01-1900' ELSE FORMAT (f.[OrderCloseDate],'yyyy/MM/dd hh:mm:ss') end as [OrderCloseDate]

,case when f.[DiscountAmount]IS NULL then 0 ELSE CAST(F.[DiscountAmount]AS DECIMAL(10,2)) END AS [DiscountAmount]

,CASE WHEN FORMAT (f.[ReadyForInvoiceDate],'yyyy/MM/dd hh:mm:ss') IS NULL THEN '01-01-1900' ELSE FORMAT (f.[ReadyForInvoiceDate],'yyyy/MM/dd hh:mm:ss') end as [ReadyForInvoiceDate]

,case when F.[IsRepeatedIssueReviewed] is null then 'UNK' else iif(F.[IsRepeatedIssueReviewed]=0,'N','Y') end as [IsRepeatedIssueReviewed]

,case when F.[IsReadyForDelivery] is null then 'UNK' else iif(F.[IsReadyForDelivery]=0,'N','Y') end as [IsReadyForDelivery]

,case when us3.user\_key is null then -1 else iif( us3.user\_key =0,'N','Y') end as [LeadTechnician\_key]

,case when F.[IsCPO] is null then 'UNK' else iif(F.[IsCPO]=0,'N','Y') end as [IsCPO]

,case when F.[IsCPOCompliant] is null then 'UNK' else iif(F.[IsCPOCompliant]=0,'N','Y') end as [IsCPOCompliant]

,C.[CUSTOMER\_KEY]

,CASE WHEN D.DATEKEY IS NULL THEN 19000101 ELSE D.DATEKEY END AS DATEKEY1

,CASE WHEN D1.DATEKEY IS NULL THEN 19000101 ELSE D1.DATEKEY END AS DATEKEY2

,CASE WHEN D2.DATEKEY IS NULL THEN 19000101 ELSE D2.DATEKEY END AS DATEKEY3

,getdate() as DW\_CREATED\_DATE,

SUSER\_sNAME() as DW\_CREATED\_BY,

getdate() as DW\_UPDATED\_DATE ,

SUSER\_sNAME()as DW\_UPDATED\_BY

from ralli.[dbo].[orders] f

left join

[dbo].[DIM\_VehicleVIN] v

ON f.[VIN] = V.VehicleVIN

LEFT JOIN [dbo].[DIM\_PAYMENTtype] PO

ON f.[PaymentType] = PO.PaymentType

LEFT JOIN [dbo].[DIM\_CUSTOMER] C

ON C.[Customer\_id]= f.[Customer\_id]

LEFT JOIN [Dim\_Date] D

ON

CAST(F. [OrderCloseDate] AS DATE)= D.DATE

LEFT JOIN [Dim\_Date] D1

ON

CAST(F. [ReadyForInvoiceDate] AS DATE)= D1.DATE

LEFT JOIN [dbo].[DIM\_location] LOC

ON LOC.[LocationID] = f.[ServiceLocationID]

LEFT JOIN [dbo].[DIM\_users] US

ON US.[UserID] =F.[ServiceAdvisorUserID]

LEFT JOIN [dbo].[DIM\_users] US1

ON US1.[UserID] =f.[PaymentRecievedByUserID]

LEFT JOIN [Dim\_Date] D2

ON CAST(F. [OrderCloseDate] AS DATE)= D2.DATE

LEFT JOIN [dbo].[DIM\_users] US3

ON US1.[UserID] =f.[LeadTechnicianID]

left join fact\_orders fa

on

fa.orderid=f.orderid

where fa.orderid is null

**OrderJob:**

insert into fact\_orderjob

select

case when tr.orderjobid is null then -1 else tr.orderjobid end as orderjobid

,case when fo.order\_key is null then -1 else fo.order\_key end as order\_key

,case when oj.orderjobstatus\_key is null then -1 else oj.orderjobstatus\_key end as orderjobstatus\_key

,case when tr.laborprice IS NULL then 0.00 ELSE CAST(tr.laborprice AS DECIMAL(10,2)) END AS laborprice

,case when tr.laboramount IS NULL then 0.00 ELSE CAST(tr.laboramount AS DECIMAL(10,2)) END AS laboramount

,case when tr.totalamount IS NULL then 0.00 ELSE CAST(tr.totalamount AS DECIMAL(10,2)) END AS totalamount

,case when tr.totalpartprice IS NULL then 0.00 ELSE CAST(tr.totalpartprice AS DECIMAL(10,2)) END AS totalpartprice

,case when p.paymethod\_key is null then -1 else p.paymethod\_key end as paymethod\_key

,case when tr.complaintnarrative IS NULL then 'UNK' else ltrim(rtrim(tr.complaintnarrative)) end as complaintnarrative

,case when tr.causenarrative IS NULL then 'UNK' else ltrim(rtrim(tr.causenarrative)) end as causenarrative

,case when tr.enabled is null then 'N' else iif(tr.enabled=0,'N','Y') end as enabled

,case when tr.customerconcerndetailid is null then -1 else tr.customerconcerndetailid end as customerconcerndetailid

,case when tr.vor is null then 'N' else iif(tr.vor=0,'N','Y') end as vor

,case when tr.orderjobclosedate is null then '01-01-1900' else tr.orderjobclosedate end as orderjobclosedate

,case when c.category\_key is null then -1 else c.category\_key end as category\_key

,case when tr.isduplicatedsymptom is null then 'N' else iif(tr.isduplicatedsymptom=0,'N','Y') end as isduplicatedsymptom

,case when tr.isduplicatedcorrection is null then 'N' else iif(tr.isduplicatedcorrection=0,'N','Y') end as isduplicatedcorrection

,case when tr.istow is null then 'N' else iif(tr.istow=0,'N','Y') end as istow

,case when d.datekey is null then -1 else d.datekey end as datekey

,getdate() as DW\_CREATED\_DATE

,SUSER\_sNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATED\_DATE

,SUSER\_sNAME()as DW\_UPDATED\_BY

from

ralli.dbo.OrderJob tr left join fact\_orders fo

on tr.orderid=fo.orderid

left join dim\_orderjobstatus oj

on tr.OrderJobStatus=oj.OrderJobStatus

left join dim\_paymethod p

on tr.paymethod=p.paymethod

left join dim\_category c

on tr.Category=c.Category

left join dim\_date d

on tr.OrderJobCloseDate=d.date

left join fact\_orderjob f

on

f.orderjobid=tr.OrderJobID

where

f.orderjobid is null

**OrderJobServiceCorrection:**

insert into fact\_orderjobservicecorrection

select

case when tr.orderjobservicecorrectionid is null then -1 else tr.orderjobservicecorrectionid end as orderjobservicecorrectionid

,case when fo.orderjob\_key is null then -1 else fo.orderjob\_key end as orderjob\_key

,case when tr.servicecatalogcode is null then 'UNK' else ltrim(rtrim(tr.servicecatalogcode)) end as servicecatalogcode

,case when tr.servicecatalog is null then 'UNK' else ltrim(rtrim(tr.servicecatalog)) end as servicecatalog

,case when tr.correctionnarrative is null then 'UNK' else ltrim(rtrim(tr.correctionnarrative)) end as correctionnarrative

,case when tr.correctionlaborhours IS NULL then 0.0000 ELSE tr.correctionlaborhours END AS correctionlaborhours

,case when tr.correctionactuallaborhours IS NULL then 0.0000 ELSE tr.correctionactuallaborhours END AS correctionactuallaborhours

,case when tr.correctionlaborprice IS NULL then 0.00 ELSE CAST(tr.correctionlaborprice AS DECIMAL(10,2)) END AS correctionlaborprice

,case when tr.isworkcompleted is null then 'N' else iif(tr.isworkcompleted=0,'N','Y') end as isworkcompleted

,case when tr.enabled is null then 'N' else iif(tr.enabled=0,'N','Y') end as enabled

,getdate() as DW\_CREATED\_DATE

,SUSER\_sNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATED\_DATE

,SUSER\_sNAME()as DW\_UPDATED\_BY

from

ralli.dbo.OrderJobServiceCorrection tr

left join

fact\_orderjob fo

on tr.orderjobid=fo.orderjobid

left join fact\_orderjobservicecorrection f

on tr.orderjobservicecorrectionid=f.orderjobservicecorrectionid

where

f.orderjobservicecorrectionid is null

**OrderJobServiceCorrectionPart:**

insert into fact\_orderjobservicecorrectionpart

select

case when tr.orderjobpartid is null then -1 else tr.orderjobpartid end as orderjobpartid

,case when fo.orderjobservicecorrection\_key is null then -1 else fo.orderjobservicecorrection\_key end as orderjobservicecorrection\_key

,case when p.part\_key is null then -1 else p.part\_key end as part\_key

,case when tr.quantity is null then -1 else tr.quantity end as quantity

,case when tr.unitprice IS NULL then 0.00 ELSE CAST(tr.unitprice AS DECIMAL(10,2)) END AS unitprice

,case when tr.enabled is null then 'N' else iif(tr.enabled=0,'N','Y') end as enabled

,case when tr.partcost IS NULL then 0.00 ELSE CAST(tr.partcost AS DECIMAL(10,2)) END AS partcost

,case when tr.iscustompart is null then 'N' else iif(tr.iscustompart=0,'N','Y') end as iscustompart

,case when tr.inventoryquantityconsumed IS NULL then 0.0000 ELSE tr.inventoryquantityconsumed END AS inventoryquantityconsumed

,case when tr.isinventoryconsumed is null then 'N' else iif(tr.isinventoryconsumed=0,'N','Y') end as isinventoryconsumed

,getdate() as DW\_CREATED\_DATE

,SUSER\_sNAME() as DW\_CREATED\_BY

,getdate() as DW\_UPDATED\_DATE

,SUSER\_sNAME()as DW\_UPDATED\_BY

from

ralli.[dbo].[OrderJobServiceCorrectionPart] tr

left join fact\_orderjobservicecorrection fo

on tr.orderjobservicecorrectionid=fo.orderjobservicecorrectionid

left join dim\_part p

on tr.partnumber=p.partnumber

left join

fact\_orderjobservicecorrectionpart f

on tr.orderjobpartid=f.orderjobpartid

where f.orderjobpartid is null