select \* from recvd\_lines

select \* from dim\_item\_t

select \* from dim\_category\_t

select \* from gunlog\_dtl

**Business Scenario 1:**

File Name: recvd\_lines.xlsx

* This Excel data file has the details related to items received in store.

**Requirement:**

* For each SKU (item), get the FIRST RECEIVED DATE and FIRST RECEIVED SITE\_NO (SITE\_NO is nothing but STORE\_NO) and LAST\_RECEIVED\_DATE and LAST RECEIVED SITE NO

select c.SKU\_NO,c.SITE\_NO as FIRST\_RECEIVED\_SITE\_NO ,

c.RECEIVE\_DT FIRST\_RECEIVED\_DATE ,

d.SITE\_NO last\_RECEIVED\_SITE\_NO,

d.RECEIVE\_DT last\_RECEIVED\_DATE

from (

select sku\_no,site\_no,RECEIVE\_DT from (

select sku\_no,site\_no,RECEIVE\_DT,row\_number() over(partition by sku\_no order by RECEIVE\_DT) as row\_

from (

select sku\_no,site\_no,max(RECEIVE\_DT) RECEIVE\_DT

from recvd\_lines

group by site\_no,sku\_no) a ) b where row\_ = 1 ) c

left join

(

select sku\_no,site\_no,RECEIVE\_DT from (

select sku\_no,site\_no,RECEIVE\_DT,row\_number() over(partition by sku\_no order by RECEIVE\_DT desc) as row\_

from (

select sku\_no,site\_no,min(RECEIVE\_DT) RECEIVE\_DT

from recvd\_lines group by site\_no,sku\_no) a ) b where row\_ = 1 ) d

on c.SKU\_NO = d.SKU\_NO

**Business Scenario 2:**

File Name: gunlog\_dtl.xlsx

* This data file has data related to the transactions happened related to the gun SKU’s. Each gun will be allocated a SERIAL\_NO. When a gun is received by a store there will a transaction in this table. Then for each transaction happening related to that gun there will a transaction entry in that table (Sale, Return,  etc.)

**Requirement:**

* For each SERIAL\_NO get the First TRAN\_DT corresponding to the TYPE\_CD=’RCVPO’ & the Last Transaction Date (TYPE\_CD) happened for that SERIAL\_NO and the TRAN\_DT corresponding to that.

select SERIAL\_NO,min(tran\_dt),max(tran\_dt)

from gunlog\_dtl

where TYPE\_CD='RCVPO'

group by serial\_no

**Business Scenario 3:**

File Name: Dim\_Category\_t.csv, Dim\_Item\_T.csv

* This data file has data related to Item and Category. DIM\_ITEM\_T is SCD kind of table.

**Requirement:**

* Get the Count of Item ID’s that are moved from One Line ID to another Line ID

select count(c.item\_id) from

dim\_item\_t c join dim\_category\_t d

on c.CATEGORY\_ID = d.CATEGORY\_ID

where c.LINE\_ID != d.LINE\_ID

**Business Scenario 4:**

File Name: Dim\_Category\_t.csv, Dim\_Item\_T.csv

* This data file has data related to Item and Category. DIM\_ITEM\_T is SCD kind of table.

**Requirement:**

* Get the Count of Item ID’s that are moved from One Class ID to another Class ID

select count(c.item\_id) from

dim\_item\_t c join dim\_category\_t d

on c.CATEGORY\_ID = d.CATEGORY\_ID

where c.CLASS\_ID != d.CLASS\_ID

**Business Scenario 5:**

File Name: Dim\_Category\_t.csv, Dim\_Item\_T.csv

* This data file has data related to Item and Category. DIM\_ITEM\_T is SCD kind of table.

**Requirement:**

* Get the Count of Item ID’s that are moved from One Dept ID to another Dept ID

select count(c.item\_id) from

dim\_item\_t c join dim\_category\_t d

on c.CATEGORY\_ID = d.CATEGORY\_ID

where c.DEPT\_ID != d.DEPT\_ID