

```
CREATE TABLE CHANNEL_DIM(  
    DATE_CREATED DATE,  
    IS_RECORD_INACTIVE CHAR,  
    LAST_MODIFIED_DATE DATE,  
    LIST_ID NUMBER(20,0),  
    LIST_ITEM_NAME VARCHAR(20),  
    KPI_DW_SKEY NUMBER(20,0),  
    KPI_DW_INSERT_DATE DATE,  
    KPI_DW_UPDATE_DATE DATE  
);
```

--LOCATION\_DIM

```
CREATE TABLE LOCATION_DIM(  
    LOCATION_ID NUMBER(20,0),  
    ADDRESS VARCHAR(150),  
    CITY VARCHAR(50),  
    COUNTRY VARCHAR(50),  
    DATE_LAST_MODIFIED DATE,  
    FULL_NAME VARCHAR(60),  
    ISINACTIVE VARCHAR(5),  
    NAME VARCHAR(50),  
    KPI_DW_SKEY NUMBER(20,0),  
    KPI_DW_INSERT_DATE DATE,  
    KPI_DW_UPDATE_DATE DATE  
);
```

--TRANSACTION\_LINE\_FACT

```
CREATE TABLE TRANSACTION_LINE_FACT(  
    TRANSACTION_ID NUMBER(20,0),  
    TRANSACTION_LINE_ID NUMBER(20,0),  
    TRANID VARCHAR(30),  
    TRANSACTION_TYPE VARCHAR(50),  
    TRANDATE DATE ,  
    KPI_CHANNEL_SKEY NUMBER(20,0),  
    KPI_LOCATION_SKEY NUMBER(20,0),  
    KPI_DEPARTMENT_SKEY NUMBER(20,0),  
    KPI_ITEM_SKEY NUMBER(20,0),  
    AMOUNT NUMBER(8,2),  
    COST NUMBER(8,2),
```

```
UNITS NUMBER(5,0),  
KPI_DW_SKEY NUMBER(20,0)  
);
```

```
--DEPARTMENT_DIM  
CREATE TABLE DEPARTMENT_DIM(  
DATE_LAST_MODIFIED DATE,  
DEPARTMENT_ID NUMBER(20,0),  
ISINACTIVE VARCHAR(5),  
NAME VARCHAR(10),  
WS_DESCRIPTION VARCHAR(50),  
KPI_DW_SKEY NUMBER(20,0),  
KPI_DW_INSERT_DATE DATE,  
KPI_DW_UPDATE_DATE DATE  
);
```

```
--ITEM_DIM  
CREATE TABLE ITEM_DIM (  
ITEM_ID NUMBER(20,0),  
SKU VARCHAR(100),  
TYPE_NAME VARCHAR(30),  
SALESDESCRIPTION VARCHAR(100),  
KPI_DW_SKEY NUMBER(20,0),  
KPI_DW_INSERT_DATE DATE,  
KPI_DW_UPDATE_DATE DATE,  
KPI_CLASS_SKEY NUMBER(20,0),  
WS_MERCHANDISE_DEPARTMENT_SKEY NUMBER(20,0),  
WS_MERCHANDISE_COLLECTION_SKEY NUMBER(20,0),  
WS_MERCHANDISE_CLASS_SKEY      NUMBER(20,0),  
WS_MERCHANDISE_SUBCLASS_SKEY   NUMBER(20,0)  
);
```

```
--CLASS_DIM  
CREATE TABLE CLASS_DIM(  
CLASS_ID NUMBER(20,0),  
DATE_LAST_MODIFIED DATE,  
FULL_NAME VARCHAR(30),  
ISINACTIVE VARCHAR(5),  
NAME VARCHAR(5),  
KPI_DW_SKEY NUMBER(20,0),  
KPI_DW_INSERT_DATE DATE,  
KPI_DW_UPDATE_DATE DATE  
);
```

--KPI\_ITEM\_MERCHANDISE\_DEPTARMENT\_DIM

```
CREATE TABLE MERCHANDISE_DEPTARMENT_DIM (  
  ITEM_MERCHANDISE_DEPARTMENT_ID NUMBER(20,0),  
  DESCRIPTION VARCHAR(50),  
  ITEM_MERCHANDISE_DEPARTMENT_NA VARCHAR(10),  
  KPI_DW_SKEY NUMBER(20,0),  
  KPI_DW_INSERT_DATE DATE,  
  KPI_DW_UPDATE_DATE DATE  
);
```

--ITEM\_MERCHANDISE\_COLLECTION\_DIM

```
CREATE TABLE MERCHANDISE_COLLECTION_DIM (  
  ITEM_MERCHANDISE_COLLECTION_ID NUMBER(20,0),  
  DESCRIPTION VARCHAR(50),  
  ITEM_MERCHANDISE_COLLECTION_NA VARCHAR(50),  
  KPI_DW_SKEY NUMBER(20,0),  
  KPI_DW_INSERT_DATE DATE,  
  KPI_DW_UPDATE_DATE DATE  
);
```

--KPI\_ITEM\_MERCHANDISE\_CLASS\_DIM

```
CREATE TABLE MERCHANDISE_CLASS_DIM(  
  ITEM_MERCHANDISE_CLASS_ID NUMBER(20,0),  
  DESCRIPTION VARCHAR(50),  
  ITEM_MERCHANDISE_CLASS_NAME VARCHAR(5),  
  KPI_DW_SKEY NUMBER(20,0),  
  KPI_DW_INSERT_DATE DATE,  
  KPI_DW_UPDATE_DATE DATE  
);
```

--KPI\_TEM\_MERCHANDISE\_SUBCLASS\_DIM

```
CREATE TABLE MERCHANDISE_SUBCLASS_DIM (  
  ITEM_MERCHANDISE_SUBCLASS_ID NUMBER(20,0),  
  DESCRIPTION VARCHAR(50),  
  ITEM_MERCHANDISE_SUBCLASS_NAME VARCHAR(10),  
  KPI_DW_SKEY NUMBER(20,0),  
  KPI_DW_INSERT_DATE DATE,  
  KPI_DW_UPDATE_DATE DATE  
);
```

--INSERTING DATA INTO TARET TABLE

--CHANNEL\_DIM

SELECT \* FROM channel\_dim;

INSERT INTO

CHANNEL\_DIM(DATE\_CREATED,IS\_RECORD\_INACTIVE,LAST\_MODIFIED\_DATE,LIST\_ID,LIST\_ITEM\_NAME)(SELECT \* FROM HII.CHANNEL);

create sequence kpi\_dw\_skey;

UPDATE CHANNEL\_DIM SET kpi\_dw\_skey=kpi\_dw\_skey.nextval;

UPDATE CHANNEL\_DIM

SET kpi\_dw\_insert\_date=(SELECT SYSDATE FROM DUAL)

WHERE kpi\_dw\_skey in (SELECT kpi\_dw\_skey FROM CHANNEL\_DIM );

UPDATE CHANNEL\_DIM

SET kpi\_dw\_UPDATE\_date=(SELECT SYSDATE FROM DUAL)

WHERE kpi\_dw\_skey in (SELECT kpi\_dw\_skey FROM CHANNEL\_DIM );

ALTER TABLE CHANNEL\_DIM ADD CONSTRAINT pk\_CHANNEL\_DIM PRIMARY KEY (kpi\_dw\_skey);

DESC channel\_dim;

--LOCATION\_DIM

select \* from location\_dim;

insert into

location\_dim(location\_id,address,city,country,date\_last\_modified,full\_name,isinactive,name)(select \* from HII.locations);

create sequence kpi\_dw\_skey;

update location\_dim set kpi\_dw\_skey=kpi\_dw\_skey.nextval;

UPDATE LOCATION\_DIM

SET kpi\_dw\_insert\_date=(SELECT SYSDATE FROM DUAL)

WHERE kpi\_dw\_skey in (SELECT kpi\_dw\_skey FROM LOCATION\_DIM );

UPDATE LOCATION\_DIM

SET kpi\_dw\_update\_date=(SELECT SYSDATE FROM DUAL)

WHERE kpi\_dw\_skey in (SELECT kpi\_dw\_skey FROM LOCATION\_DIM );

```

ALTER TABLE  LOCATION_DIM
ADD CONSTRAINT PK_LOCATION_DIM  PRIMARY KEY(KPI_DW_SKEY);

--KPI_DEPARTMENT_DIM
select
insert into
DEPARTMENT_DIM(
DATE_LAST_MODIFIED,DEPARTMENT_ID,ISINACTIVE,NAME,WS_DESCRIPTION)
(select * from HII.DEPARTMENTS);

UPDATE DEPARTMENT_DIM
SET kpi_dw_update_date=(SELECT SYSDATE FROM DUAL)
WHERE kpi_dw_skey in (SELECT kpi_dw_skey FROM DEPARTMENT_DIM );

UPDATE DEPARTMENT_DIM
SET kpi_dw_insert_date=(SELECT SYSDATE FROM DUAL)
WHERE kpi_dw_skey in (SELECT kpi_dw_skey FROM DEPARTMENT_DIM );

update DEPARTMENT_DIM set kpi_dw_skey=kpi_dw_skey.nextval;

ALTER TABLE  DEPARTMENT_DIM
ADD CONSTRAINT PK_DEPARTMENT_DIM PRIMARY KEY(KPI_DW_SKEY);

alter table DEPARTMENT_DIM modify NAME VARCHAR(20);

--TRANSACTION_LINE_FACT
insert into
TRANSACTION_LINE_FACT(
TRANSACTION_ID,TRANSACTION_LINE_ID,TRANID,TRANSACTION_TYPE,AMOUNT,COST,UNITS)
(select
TRANSACTION_LINES.TRANSACTION_ID,TRANSACTION_LINES.TRANSACTION_LINE_ID,TRANSACTIONS
.TRANID,TRANSACTIONS.TRANSACTION_TYPE,TRANSACTION_LINES.AMOUNT,TRANSACTION_LINES.COST,TRANSACTION_LINES.UNITS
from HII.TRANSACTION_LINES JOIN HII.TRANSACTIONS ON
HII.TRANSACTION_LINES.TRANSACTION_ID =HII.TRANSACTIONS.TRANSACTION_ID);

KPI_CHANNEL_SKEY NUMBER(20,0),
KPI_LOCATION_SKEY NUMBER(20,0),

```

```
KPI_DEPARTMENT_SKEY NUMBER(20,0),  
KPI_ITEM_SKEY          NUMBER(20,0),  
KPI_DW_SKEY NUMBER(20,0)
```

```
UPDATE TRANSACTION_LINE_FACT SET KPI_CHANNEL_SKEY=kpi_dw_skey.nextval;
```

```
UPDATE TRANSACTION_LINE_FACT SET KPI_LOCATION_SKEY=kpi_dw_skey.nextval;  
UPDATE TRANSACTION_LINE_FACT SET KPI_DEPARTMENT_SKEY=kpi_dw_skey.nextval;  
UPDATE TRANSACTION_LINE_FACT SET KPI_ITEM_SKEY=kpi_dw_skey.nextval;  
UPDATE TRANSACTION_LINE_FACT SET KPI_DW_SKEY=kpi_dw_skey.nextval;
```

```
ALTER TABLE TRANSACTION_LINE_FACT  
ADD CONSTRAINT PK_TRANSACTION_LINE_FACT PRIMARY KEY(KPI_DW_SKEY);
```

```
update DEPARTMENT_DIM set kpi_dw_skey=kpi_dw_skey.nextval;
```

```
SELECT * FROM TRANSACTION_LINE_FACT;
```

```
insert into TRANSACTION_LINE_FACT(TRANDATE)(SELECT HII.TRANSACTIONS.TRANDATE from  
HII.TRANSACTION_LINES JOIN HII.TRANSACTIONS ON HII.TRANSACTION_LINES.TRANSACTION_ID  
=HII.TRANSACTIONS.TRANSACTION_ID);
```

```
UPDATE TRANSACTION_LINE_FACT  
SET TRANDATE = HII.TRANSACTIONS.TRANDATE  
WHERE TRANSACTION_ID = (SELECT TRANSACTION_ID FROM HII.TRANSACTIONS);
```

```
UPDATE ITEM_DIM set KPI_CLASS_SKEY=(select CLASS_ID from hii.ITEMS where  
item_dim.item_id=hii.items.item_id);
```

```
update transaction_line_fact f set kpi_channel_skey = (select channel_id from
transaction.transactions t where f.transaction_id=t.transaction_id);
```

```
UPDATE ITEM_DIM SET WS_MERCHANDISE_DEPARTMENT_SKEY=(SELECT
WS_MERCHANDISE_DEPARTMENT_ID FROM HII.ITEMS WHERE
HII.ITEMS.ITEM_ID=item_dim.item_id )
```

```
UPDATE ITEM_DIM SET WS_MERCHANDISE_COLLECTION_SKEY=(SELECT
WS_MERCHANDISE_COLLECTION_ID FROM HII.ITEMS WHERE
HII.ITEMS.ITEM_ID=item_dim.item_id )
```

```
UPDATE ITEM_DIM SET WS_MERCHANDISE_CLASS_SKEY=(SELECT WS_MERCHANDISE_CLASS_ID
FROM HII.ITEMS WHERE HII.ITEMS.ITEM_ID=item_dim.item_id )
```

```
UPDATE ITEM_DIM SET WS_MERCHANDISE_SUBCLASS_SKEY=(SELECT
WS_MERCHANDISE_SUBCLASS_ID FROM HII.ITEMS WHERE HII.ITEMS.ITEM_ID=item_dim.item_id
)
```

```
UPDATE ITEM_DIM
SET kpi_dw_insert_date=(SELECT SYSDATE FROM DUAL)
WHERE kpi_dw_skey in (SELECT kpi_dw_skey FROM ITEM_DIM );
```

```
select * from ITEM_DIM;
```

```
ALTER TABLE ITEM_DIM ADD
```

```
ALTER TABLE ITEM_DIM
ADD CONSTRAINT fk_CLASS
FOREIGN KEY (KPI_CLASS_SKEY) REFERENCES MERCHANDISE_DEPTARMENT_DIM(KPI_DW_SKEY);
```

```
ALTER TABLE ITEM_DIM
ADD CONSTRAINT fk_CLASS_DEPARTMENT_SKEY
```

```
FOREIGN KEY (WS_MERCHANDISE_DEPARTMENT_SKEY) REFERENCES MERCHANDISE_DEPTARMENT_DIM  
(KPI_DW_SKEY);
```

```
ALTER TABLE ITEM_DIM  
ADD CONSTRAINT fk_CLASS_COLLECTION_SKEY  
FOREIGN KEY (WS_MERCHANDISE_COLLECTION_SKEY) REFERENCES MERCHANDISE_COLLECTION_DIM  
(KPI_DW_SKEY);
```

```
ALTER TABLE ITEM_DIM  
ADD CONSTRAINT fk_CLASS_SUBCLASS_SKEY  
FOREIGN KEY (WS_MERCHANDISE_SUBCLASS_SKEY) REFERENCES MERCHANDISE_CLASS_DIM  
(KPI_DW_SKEY);
```

```
ALTER TABLE TRANSACTION_LINE_FACT  
ADD CONSTRAINT fk_ITEM_SKEY  
FOREIGN KEY (KPI_ITEM_SKEY) REFERENCES ITEM_DIM (KPI_DW_SKEY);
```

```
DELETE FROM TRANSACTION_LINE_FACT  
WHERE KPI_ITEM_SKEY NOT IN (SELECT KPI_DW_SKEY FROM ITEM_DIM);
```