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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | Olga\_Hilko | 04-DEC-2017 |  |  |

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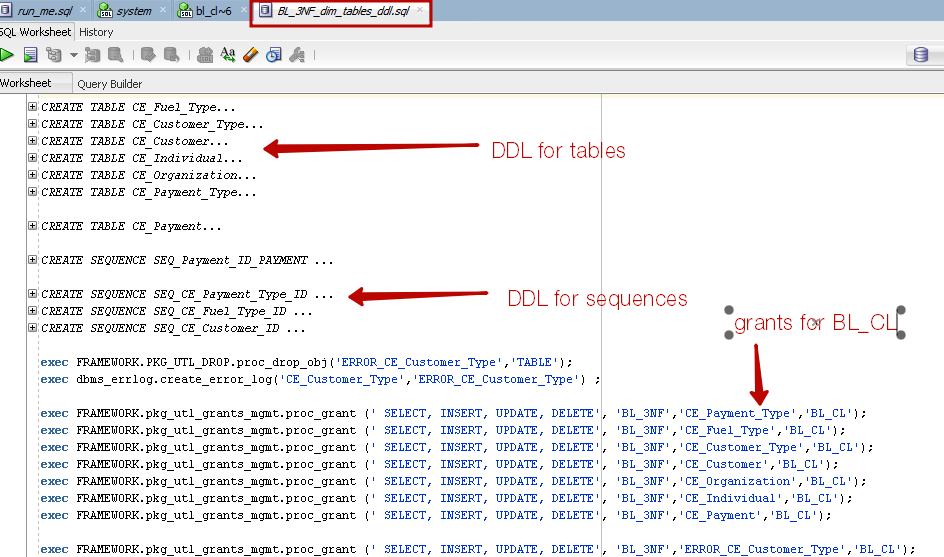
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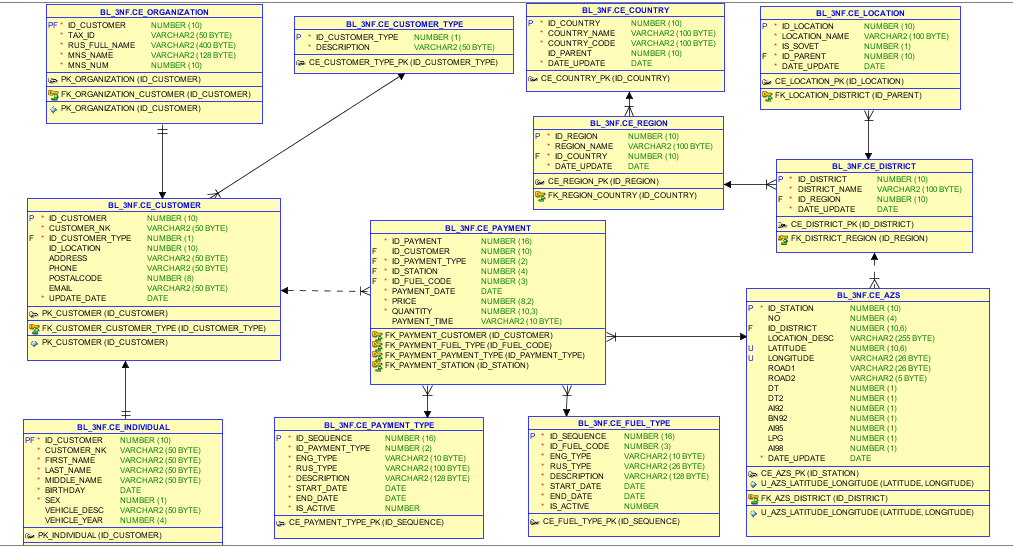
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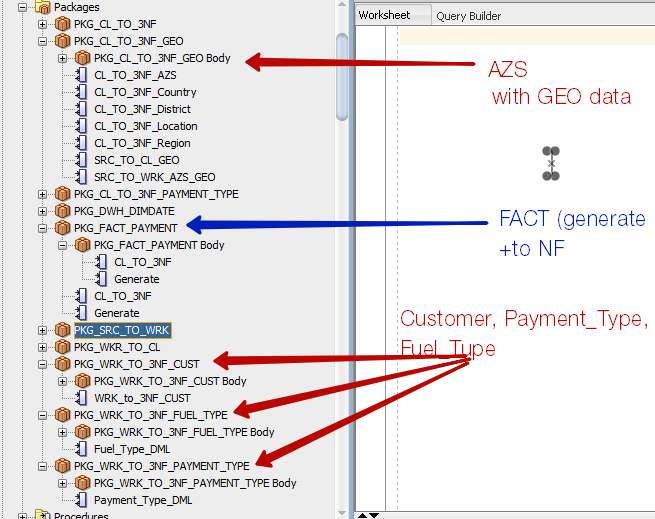
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# DIM tables, sequences on 3NF and grants to BL\_CL





# Packages for DIMs (to 3NF)



# Explicit cursor and Merge

procedure CL\_TO\_3NF\_AZS

is

cursor cur is (select LONGITUDE, LATITUDE, ID\_DISTRICT,DISTRICT\_NAME from

(select a.\* ,dense\_rank() over(partition by LONGITUDE,LATITUDE order by ID\_DISTRICT ) r from CL\_AZS\_MAP\_ADDRESS a) t where t.r=1);

-- TYPE t\_address

-- IS TABLE OF employees%ROWTYPE

-- INDEX BY PLS\_INTEGER;

-- l\_employees employees\_aat;

sql\_stat varchar(400);

before\_cnt NUMBER;

after\_cnt NUMBER;

table\_name varchar(100):='BL\_3NF.ce\_AZS';

begin

before\_cnt := FRAMEWORK.PKG\_UTL.get\_row\_count(table\_name) ;

MERGE INTO BL\_3NF.ce\_AZS nf USING

( select w.No, tmp.ID\_DISTRICT , w.LOCATION ,w.LATITUDE, w.LONGITUDE, w.ROAD1, w.ROAD2,

w.DT, w.DT2, w.AI92, w.BN92, w.AI95, w.LPG, w.AI98

FROM WRK\_AZS w

left join (select LONGITUDE, LATITUDE, ID\_DISTRICT,DISTRICT\_NAME from

(select LONGITUDE, LATITUDE, ID\_DISTRICT,DISTRICT\_NAME ,dense\_rank() over(partition by LONGITUDE,LATITUDE order by ID\_DISTRICT ) r

from CL\_AZS\_MAP\_ADDRESS) t

where t.r=1) tmp

on tmp.LONGITUDE=w.LONGITUDE and tmp.LATITUDE=w.LATITUDE )

cls ON (

cls.LONGITUDE= nf.LONGITUDE and cls.LATITUDE=nf.LATITUDE

) WHEN MATCHED THEN

UPDATE

SET

nf.No=cls.No, nf.ID\_DISTRICT=cls.ID\_DISTRICT , nf.Location\_Desc=cls.LOCATION ,

nf.ROAD1=cls.ROAD1, nf.ROAD2=cls.ROAD2, nf.DT=cls.DT,

nf.DT2=cls.DT2, nf.AI92=cls.AI92, nf.BN92=cls.BN92,

nf.AI95=cls.AI95, nf.LPG=cls.LPG, nf.AI98=cls.AI98,

date\_update=SYSDATE

where

decode(nf.No,cls.No,0,1)+decode(nf.ID\_DISTRICT,cls.ID\_DISTRICT,0,1)+decode(nf.Location\_Desc,cls.LOCATION,0,1)+

decode(nf.ROAD1,cls.ROAD1,0,1)+

decode(nf.ROAD2,cls.ROAD2,0,1)+decode(nf.DT,cls.DT,0,1)+decode(nf.DT2,cls.DT2,0,1)+

decode(nf.AI92,cls.AI92,0,1)+decode(nf.BN92,cls.BN92,0,1)+decode(nf.AI95,cls.AI95,0,1)+

decode(nf.LPG,cls.LPG,0,1)+decode(nf.AI98,cls.AI98,0,1)>0

WHEN NOT MATCHED

THEN INSERT

(ID\_Station, NO, ID\_DISTRICT, Location\_Desc, LATITUDE, LONGITUDE, ROAD1,

ROAD2, DT, DT2, AI92, BN92, AI95, LPG, AI98, date\_update)

VALUES

(FRAMEWORK.pkg\_utl\_seq.seq\_getval('BL\_3NF.SEQ\_CE\_AZS\_ID'),

cls.NO, cls.ID\_DISTRICT, cls.Location, cls.LATITUDE, cls.LONGITUDE, cls. ROAD1,

cls.ROAD2, cls. DT, cls. DT2, cls. AI92, cls. BN92, cls. AI95, cls. LPG, cls. AI98, SYSDATE

);

after\_cnt := FRAMEWORK.PKG\_UTL.get\_row\_count(table\_name) ;

dbms\_output.put\_line('Lola: Inserted rows in '||table\_name ||' table:' || to\_char(after\_cnt-before\_cnt) || ' row(s)');

end CL\_TO\_3NF\_AZS;

# Implicit Cursor

