-------------DATE DIMENSION SCRIPT----------------

CREATE OR REPLACE PROCEDURE sp\_DATE\_DIMENSION (v\_START\_YEAR IN INT, v\_END\_YEAR IN INT) AS

-----------DECLEAR VARIABLES----------------

l\_current\_date DATE;

l\_end\_date DATE;

var\_L\_W CHAR(1 BYTE);

var\_L\_M CHAR(1 BYTE);

var\_W\_I VARCHAR2(7 BYTE);

var\_H\_I VARCHAR2(12 BYTE);

var\_D\_F\_Y INTEGER;

var1 integer;

var2 integer;

var\_F\_W integer;

var\_F\_Y integer;

var\_H WORKHOURSTYPE;

var\_W integer;

var\_WW integer;

BEGIN

---------------------SUM OF LOGIC----------------

l\_current\_date := to\_date('01/01/' || v\_START\_YEAR,'dd/mm/yyyy');

l\_end\_date := to\_date('31/12/' || v\_END\_YEAR,'dd/mm/yyyy');

var\_F\_W:=40;

var\_WW:=0;

var\_W:=0;

-----------------start loop-----------------

WHILE l\_current\_date <= l\_end\_date LOOP

---------WEEK IMPLIMENT----------

if(to\_char(l\_current\_date,'D')='1')

then

var\_W:=var\_W+1;

var\_WW:=var\_WW+1;

end if;

if(to\_char(l\_current\_date,'MM')='01' AND to\_char(l\_current\_date,'DD')='01')

then

var\_WW:=1;

var\_W:=1;

end if;

if(to\_char(l\_current\_date,'DD')='01')

then

var\_W:=1;

end if;

----------LAST\_DAY\_IN\_WEEK\_INDICATOR CHAR(1 BYTE),

if to\_char(l\_current\_date,'D')='7'

or to\_char(l\_current\_date,'D')='1'

then

var\_L\_W:='Y';

var\_W\_I:='Weekend';

var\_H:=WORKHOURSTYPE(0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0);

else

var\_L\_W:='N';

var\_W\_I:='Weekday';

var\_H:=WORKHOURSTYPE(0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1);

end if;

---------------LAST\_DAY\_IN\_MONTH\_INDICATOR CHAR(1 BYTE),

if last\_day(l\_current\_date)=l\_current\_date

then

var\_L\_M:='Y';

else

var\_L\_M:='N';

end if;

-------------HOLIDAY INDICATOR

if(to\_char(l\_current\_date,'D')='1')

then

var\_H\_I:='Holiday';

else

var\_H\_I:='Non-Holiday';

end if;

--DAY\_NUM\_IN\_FISCLE\_YEAR

var1:=to\_char(l\_current\_date,'MM');

--var2:=to\_char(l\_current\_date,'DDD');

--------------FISCAL LOGIC----------

if(var1<4)

then

var\_D\_F\_Y:=to\_char(l\_current\_date,'DDD')+275;

--var\_F\_W:=to\_char(l\_current\_date,'WW')+39;

var\_F\_Y:=to\_char(l\_current\_date,'YYYY')-1;

else

var\_D\_F\_Y:=to\_char(l\_current\_date,'DDD')-(62+to\_char(last\_day(to\_date('01-02-'||to\_char(l\_current\_date,'YYYY'),'DD-MM\_YYYY')),'DD'));

--var\_F\_W:=(to\_char(l\_current\_date,'DDD')-to\_char(to\_date('31-03-'||to\_char(l\_current\_date,'YYYY'),'DD-MM\_YYYY'),'DDD'))/7+1;

var\_F\_Y:=to\_char(l\_current\_date,'YYYY');

end if;

if(to\_char(l\_current\_date,'D')='1')

then

var\_F\_W:=var\_F\_W+1;

end if;

if(to\_char(l\_current\_date,'DD')='01' AND to\_char(l\_current\_date,'MM')='04')

then

var\_F\_W:=1;

end if;

---------------------INSERT STETMENT------------------------

INSERT INTO CLP\_DATE\_DIM (

DATE\_KEY ,

DATE\_STAMP ,

SHORT\_DATE\_DESCRIPTION ,

FULL\_DATE\_DESCRIPTION ,

DAY\_OF\_WEEK ,

DAY\_NUM\_IN\_CALENDAR\_MONTH ,

DAY\_NUM\_IN\_CALENDAR\_YEAR ,

DAY\_NUM\_IN\_FISCAL\_MONTH ,

DAY\_NUM\_IN\_FISCAL\_YEAR ,

LAST\_DAY\_IN\_WEEK\_INDICATOR ,

LAST\_DAY\_IN\_MONTH\_INDICATOR ,

CALENDAR\_WEEK\_NUM\_IN\_YEAR ,

CALENDAR\_MONTH\_NAME ,

CALENDAR\_MONTH\_NUM\_IN\_YEAR ,

CALENDAR\_YEAR\_MONTH ,

CALENDAR\_QUARTER ,

CALENDAR\_YEAR\_QUARTER,

CALENDAR\_YEAR,

FISCAL\_WEEK\_NUM\_IN\_YEAR ,

FISCAL\_MONTH\_NAME ,

FISCAL\_MONTH\_NUM\_IN\_YEAR ,

FISCAL\_YEAR\_MONTH ,

FISCAL\_QUARTER ,

FISCAL\_YEAR\_QUARTER ,

FISCAL\_YEAR ,

HOLIDAY\_INDICATOR ,

WEEKDAY\_INDICATOR ,

WORKHOURS ,

UTC\_TO\_UK\_TIME ,

UTC\_TO\_EASTERN\_TIME ,

UTC\_TO\_CENTRAL\_TIME ,

UTC\_TO\_MOUNTAIN\_TIME ,

UTC\_TO\_PACIFIC\_TIME ,

UTC\_TO\_INDIAN\_TIME ,

WEEK\_KEY ,

MONTH\_KEY ,

EXECUTIVE\_DATE\_FORMAT

)VALUES (

--DATE\_KEY INTEGER,

to\_char(l\_current\_date,'YYYYMMDD'),

--DATE\_STAMP DATE,

l\_current\_date,

--SHORT\_DATE\_DESCRIPTION VARCHAR2(12 BYTE),

to\_char(l\_current\_date,'DD-MON-YYYY'),

--FULL\_DATE\_DESCRIPTION VARCHAR2(18 BYTE),

to\_char(l\_current\_date,'MONTH DD,YYYY'),

--DAY\_OF\_WEEK VARCHAR2(10 BYTE),

to\_char(l\_current\_date,'day'),

--DAY\_NUM\_IN\_CALENDAR\_MONTH INTEGER,

to\_char(l\_current\_date,'DD'),

--DAY\_NUM\_IN\_CALENDAR\_YEAR INTEGER,

to\_char(l\_current\_date,'DDD'),

--DAY\_NUM\_IN\_FISCAL\_MONTH INTEGER,

to\_char(l\_current\_date,'DD'),

--DAY\_NUM\_IN\_FISCAL\_YEAR INTEGER,

var\_D\_F\_Y,

--LAST\_DAY\_IN\_WEEK\_INDICATOR CHAR(1 BYTE),

var\_L\_W,

--LAST\_DAY\_IN\_MONTH\_INDICATOR CHAR(1 BYTE),

var\_L\_M,

--CALENDAR\_WEEK\_NUM\_IN\_YEAR INTEGER,-------------------------------

var\_WW,

--CALENDAR\_MONTH\_NAME VARCHAR2(10 BYTE),

to\_char(l\_current\_date,'MONTH'),

--CALENDAR\_MONTH\_NUM\_IN\_YEAR INTEGER,

to\_char(l\_current\_date,'MM'),

--CALENDAR\_YEAR\_MONTH VARCHAR2(8 BYTE),

to\_char(l\_current\_date,'YYYY-MM'),

--CALENDAR\_QUARTER VARCHAR2(2 BYTE),

'Q'||to\_char(l\_current\_date,'Q'),

--CALENDAR\_YEAR\_QUARTER VARCHAR2(7 BYTE),

to\_char(l\_current\_date,'YYYY')||'Q'||to\_char(l\_current\_date,'Q'),

--CALENDAR\_YEAR INTEGER,

to\_char(l\_current\_date,'YYYY'),

--FISCAL\_WEEK\_NUM\_IN\_YEAR INTEGER,--------------------------------

var\_F\_W,

--FISCAL\_MONTH\_NAME VARCHAR2(10 BYTE),

to\_char(l\_current\_date,'MONTH'),

--FISCAL\_MONTH\_NUM\_IN\_YEAR INTEGER,

DECODE(to\_char(l\_current\_date,'MM'),'01',10,'02',11,'03',12,'04',1,'05',2,'06',3,'07',4,'08',5,'09',6,'10',7,'11',8,'12',9),

--FISCAL\_YEAR\_MONTH VARCHAR2(8 BYTE),

var\_F\_Y||'-'||DECODE(to\_char(l\_current\_date,'MM'),'01',10,'02',11,'03',12,'04',1,'05',2,'06',3,'07',4,'08',5,'09',6,'10',7,'11',8,'12',9),

--FISCAL\_QUARTER VARCHAR2(2 BYTE),

'Q'||DECODE(to\_char(l\_current\_date,'Q'),'1',4,'2',1,'3',2,'4',3),

--FISCAL\_YEAR\_QUARTER VARCHAR2(7 BYTE),

var\_F\_Y||'-Q'||DECODE(to\_char(l\_current\_date,'Q'),'1',4,'2',1,'3',2,'4',3),

--FISCAL\_YEAR INTEGER,

var\_F\_Y,

--HOLIDAY\_INDICATOR VARCHAR2(12 BYTE),

var\_H\_I,

--WEEKDAY\_INDICATOR VARCHAR2(7 BYTE),

var\_W\_I,

--WORKHOURS VARCHAR2(35 BYTE),

var\_H,

--UTC\_TO\_UK\_TIME INTERVAL DAY(2) TO SECOND(6),

'+00 00:00:00.000000',

--UTC\_TO\_EASTERN\_TIME INTERVAL DAY(2) TO SECOND(6),

'-00 05:00:00.000000',

--UTC\_TO\_CENTRAL\_TIME INTERVAL DAY(2) TO SECOND(6),

'-00 06:00:00.000000',

--UTC\_TO\_MOUNTAIN\_TIME INTERVAL DAY(2) TO SECOND(6),

'-00 07:00:00.000000',

--UTC\_TO\_PACIFIC\_TIME INTERVAL DAY(2) TO SECOND(6),

'-00 08:00:00.000000',

--UTC\_TO\_INDIAN\_TIME INTERVAL DAY(2) TO SECOND(6),

'+00 05:30:00.000000',

--WEEK\_KEY INTEGER,

to\_char(TRUNC(l\_current\_date,'D')+6,'YYYYMMDD'),

--MONTH\_KEY INTEGER,

to\_char(trunc(ADD\_MONTHS(l\_current\_date,1),'MM')-1,'YYYYMMDD'),

--EXECUTIVE\_DATE\_FORMAT VARCHAR2(18 BYTE)

to\_char(l\_current\_date,'DY')||'-'||to\_char(l\_current\_date,'MM/DD')

);

l\_current\_date := l\_current\_date + 1;

END LOOP;

-------------------end loop--------------------

commit;

END;